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ANNUAL REPORT

OF

THE MINES DIVISION

OF THE

Department of Mines and Minerals

OF THE

PROVINCE OF ALBERTA

1957

Edmonton:
Printed by L. S. Wall, Queen's Printer
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Edmonton, Alberta,
February 4th, 1958.

TO THE HON. ERNEST C. MANNING,
Minister of Mines and Minerals.

SIR:

I herewith submit the Report of the Mines Division for the year ending December 31, 1957.

Respectfully submitted,

J. A. DUTTON,
Director of Mines.

ANNUAL REPORT OF THE MINES DIVISION FOR THE YEAR ENDING DECEMBER 31st, 1957.

The output of coal produced from the mines in the Province during the year 1957 was 3,155,354 tons, with a valuation of $17,287,229. This shows a decrease of 1,174,285 tons, with a decrease in valuation of $5,996,737, compared with the year 1956.

During the year there were 2,795 men employed who worked a total of 535,346 shifts. This is a decrease of 648 men and a decrease of 214,972 shifts, compared with the previous year.

The output is the lowest since 1912, resulting from the conversion from coal to competitive fuels, and the extremely mild weather in the western provinces during the year.

The disposition of coal during the year was as follows:

Sold for consumption in Alberta	876,395
Sold for consumption in other Provinces	1,668,848
Sold to the United States	85,687
Sold to Japan	1,137
Sold to railway companies	152,693
Used making briquettes	255,131
Used under colliery boilers	47,075
Used by colliery railroads	1,016
Put to stock	269,730
Put to waste	79,142

The above tonnages include lifted from stock and waste heaps which are not included in total output.

The output of briquettes during the year 1957 was 265,645 tons with a valuation of $2,416,599. This shows a decrease in production of 259,557 tons compared with 1956.

The disposition of briquettes during the year was as follows:

Sold for consumption in Alberta	12,753
Sold for consumption in other Provinces	52,104
Sold to the United States	733
Sold to railway companies	202,040
Used under colliery boilers	9
Put to stock	16,744

The above tonnages include lifted from stock heaps, which are not included in the total output.

Of the output of coal, 1,384,872 tons were produced from 46 strip mines operating in the Province. Production from stripping operations decreased 619,762 tons and there was a decrease of 3 strip mines in operation, in comparison with 1956.

There were 93 mines which produced coal during the year, a reduction of 11 mines in comparison with the previous year.

During 1957 the number of mines using electrical power was 54, a decrease of 11 in comparison with 1956. The following table shows the comparison of purchased electrical power by mines for the past ten years.

1948	49,724,365	1953	58,500,593
1949	53,590,982	1954	50,668,957
1950	50,418,029	1955	44,932,173
1951	50,956,876	1956	42,228,910
1952	58,317,942	1957	29,110,288

The total horsepower of electrical motors in use was 52,867 h.p., a decrease of 3,472 h.p., in comparison with 1956. The following table shows a break-down of horsepower in use, both above and below ground.

Above Ground

Duty	H.P.
Hoisting	7,903
Ventilation	2,264
Air Compressing	8,789
Tipple and Coal Preparation Plants	11,819
Miscellaneous	6,666
Total	37,441

Below Ground

Duty	H.P.
Pumping	5,141
Rope Haulage	1,302
Conveying and Loading	1,265
Cutting and Drilling	4,912
Miscellaneous	2,806
Total	15,426

The figures below show the trend in the use of certain types of electrical equipment underground in mines, for the past ten years.

	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
Cutting Machines	184	184	197	183	185	149	141	138	141	115
Battery Locomotives	39	41	47	46	47	42	42	42	43	36
Trolley Locomotives	22	23	29	29	31	27	25	23	24	22
Conveyors	47	74	92	82	83	50	41	45	55	46
Coal Drills	59	79	91	93	105	88	94	90	93	86
Face Loaders	6	7	7	11	12	10	10	10	9	12

During the year 17 quarries produced 1,399,344 tons of shale, clay and limestone, from which 34,723,785 bricks, 54,014 tons of tile and 604,138 tons of other products were made. In addition to the foregoing output, 60,583 tons of shale, clay and limestone were imported.

446 inspections were made under the terms of The Coal Mines Regulation Act, 309 inspections in connection with the Workmen's Compensation Board Regulations, and 69 inspections under The Quarries Regulation Act, comprising 824 inspections made by the Inspection staff during the year.

Six samples of coal were collected and forwarded to The Research Council of Alberta for analysis, and one commercial coal sample was taken and forwarded to the Department of Mines and Technical Surveys, Ottawa, for analysis. Twelve mine air samples were collected and forwarded to the Bureau of Mines, Ottawa, for analysis.

All fatal and serious accidents have been investigated by the Inspectors who also attended the inquests held in their districts, in addition to the regular inspections of the mines and quarries. All complaints made to the Department were investigated.

The number of fatal accidents during the year was 2 as compared with 6 in 1956. This equals 0.63 fatals per million tons of coal produced.

With regard to the aforementioned fatalities, 1 occurred on the surface and 1 underground. Causes of the fatal accidents are as follows:—squeezed between railway cars—1; fall of coal—1. The total number of accidents reported to this office was 42, a decrease of 31 compared with the number reported during 1956.

There were 12 prosecutions instituted for contraventions of The Coal Mines Regulation Act and 5 instituted for contraventions of The Quarries Regulation Act, made up as follows:—3 owners; 1 agent; 5 managers; 1 foreman; 2 overmen; 1 examiner; 2 drillers and 2 farmers. Convictions were obtained in each case.

Written examinations were held on June 4th, 5th and 6th at Drumheller, Lethbridge and Edmonton, with successful candidates as follows:—6 examiners, 1 mine surveyor, 1 first class mine electrician, 1 second class mine electrician, 1 manager (strip mine), 2 foremen and 2 blasters.

Due to a revision of the Regulations established under The Quarries Regulation Act, requiring the certification of officials, 14 quarry managers' certificates and 18 quarry foremen's certificates were granted without examination. In addition to the foregoing, oral examinations for quarry blasters' certificates were held and 9 certificates were granted.

One examination was held for miners' certificates and 13 certificates were issued to successful candidates. In addition, 20 substitute miners' certificates, 34 miners' provisional certificates and 137 miners' permits were granted, making a total of 204 certificates issued, which is a decrease of 22, compared with 1956

Mr. J. J. Kubin was appointed Inspector in charge of the Calgary District on July 8th, replacing Mr. Alex Muir, who was granted one year's leave of absence due to ill health.

Miss Muriel M. Roberts, Chief Clerk of the Mines Division and Secretary to the Board of Examiners for the past twelve years, retired on the occasion of her marriage in April.

Mrs. Marjorie B. Rasmussen was appointed Chief Clerk of the Mines Division and Secretary to the Board of Examiners in place of Miss Roberts.

NUMBER OF MINES OPERATED, OPENED AND ABANDONED DURING THE YEAR ACCORDING TO AREAS AND KIND OF COAL

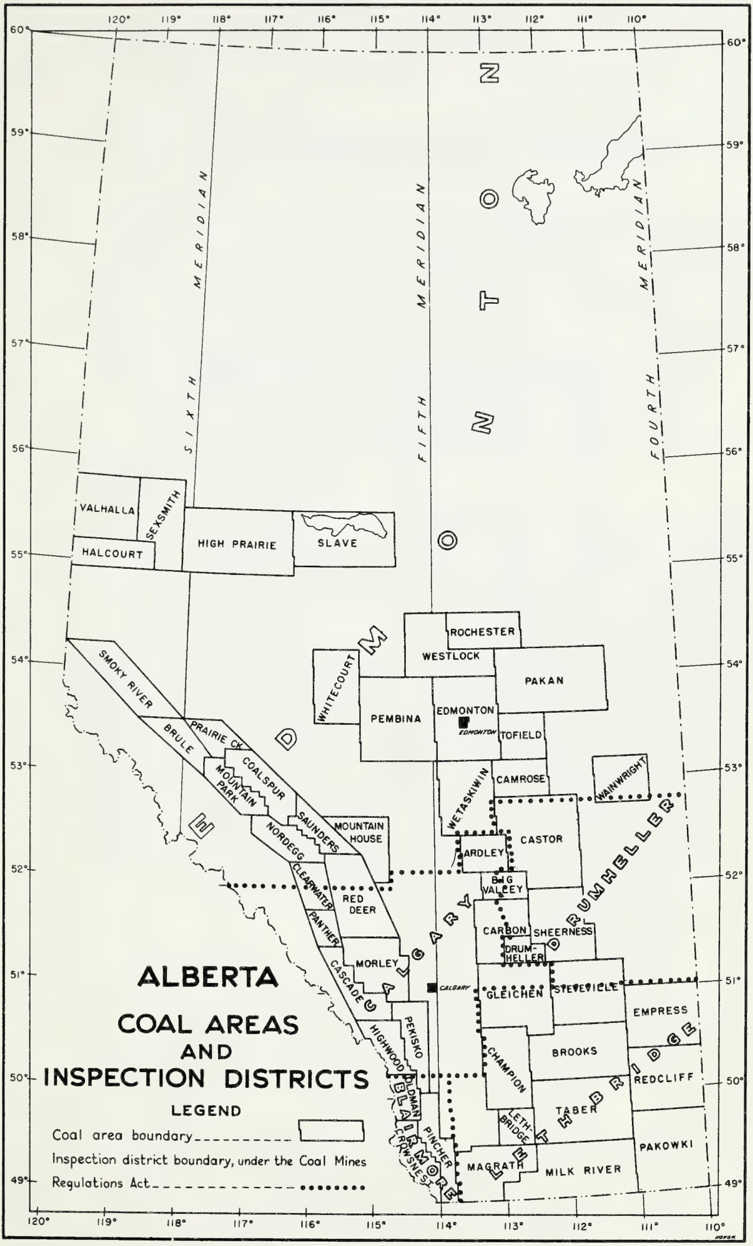
Director of Mines - J.A. Dutton, Natural Resources Building,
Edmonton, Alberta. Telephone - 293802.

Assistant Director of Mines - J. Horne, Natural Resources
Building, Edmonton, Alberta. Telephone - 293803.

Electrical Inspector of Mines - B. Tait, Natural Resources
Building, Edmonton, Alberta. Telephone - 293806.

Inspection District	Area	Area Number	Character of Coal	No. of Mines in operation at Dec. 31/57.	No. of Mines opened during the year.	No. of Mines abandoned during the year.	Name and Address of District Inspectors of Mines.
Blairmore	Crowsnest	12-13	Bituminous	9	1	..	P. Melson, Blairmore, Alta. Telephone 2160.
Calgary	Ardley	1	Sub-bituminous	3	..	..	A.Muir, J.J.Kubin, Provincial Bldg., Calgary, Alta. Telephone AM9-6687
	Big Valley	2	Sub-bituminous	1	..	..	
	Carbon	6	Sub-bituminous	9	..	..	
	Cascade	7	Bituminous	1	..	..	
	Gleichen	17	Sub-bituminous	2	..	..	
	Pekisko	30	Bituminous	1	..	..	
Drumheller	Big Valley	2	Sub-bituminous	1	..	1	R. Shaw, Drumheller, Alta. Telephone 2413.
	Castor	8	Sub-bituminous	9	..	6	
	Drumheller	14	Sub-bituminous	13	..	3	
	Sheerness	38	Sub-bituminous	2	..	..	
Edmonton	Camrose	5	Sub-bituminous	3	..	..	A.L. Lister, Natural Resources Bldg., Edmonton, Alta. Telephone 293805.
	Coalspur	11	Bituminous	3	1	2	
	Edmonton	15	Sub-bituminous	9	1	4	
	Halcourt	18	Bituminous	1	..	3	
	Pembina	31	Sub-bituminous	5	..	2	
	Prairie Creek	33	Bituminous	..	..	1	
	Saunders	36	Bituminous	..	1	..	
	Tofield	42	Sub-bituminous	5	..	1	
	Westlock	45	Sub-bituminous	2	..	..	
	Wetaskiwin	46	Sub-bituminous	1	..	..	
	Whitecourt	47	Sub-bituminous	2	..	1	
	No Area	..	Sub-bituminous	..	..	..	
Lethbridge	Brooks	3	Sub-bituminous	2	..	..	J.D.B. Brown, Lethbridge, Alta. Telephone FA7-3325.
	Champion	9	Sub-bituminous	2	..	..	
	Lethbridge	20	Bituminous	4	..	2	
	Redcliff	34	Sub-bituminous	1	..	..	
	Taber	41	Sub-bituminous	2	..	1	
	Total........	..	....	93	4	27	

NOTE: 23 mines reported as being closed as at December 31st, 1956, were abandoned in 1957.


ALBERTA
COAL AREAS
AND
INSPECTION DISTRICTS
LEGEND
Coal area boundary
Inspection district boundary, under the Coal Mines Regulations Act
120° 119° 118° 117° 116° 115° 114° 113° 112° 111° 110°
60° 59° 58° 57° 56° 55° 54° 53° 52° 51° 50° 49°
SIXTH MERIDIAN
FIFTH MERIDIAN
FOURTH MERIDIAN
EDMONTON
CALGARY
DRUMHELLER
LETHBRIDGE
VALHALLA
SEXSMITH
HALCOURT
HIGH PRAIRIE
SLAVE
ROCHESTER
WESTLOCK
PAKAN
WHITECOURT
PEMBINA
EDMONTON
TOFIELD
SMOKY RIVER
BRULE
PRAIRIE CK.
COALSPUR
MOUNTAIN PARK
CAMROSE
WAINWRIGHT
WETASKIWIN
CASTOR
SAUNDERS
NORDEGG
MOUNTAIN HOUSE
ARDLEY
BIG VALLEY
CLEARWATER
RED DEER
PANTHER
CARBON
SHEERNESS
DRUM-HELLER
MORLEY
CASCADE
CALGARY
GLEICHEN
STEVEVILLE
EMPRESS
PEKISKO
HIGHWOOD
CHAMPION
BROOKS
REDCLIFF
OLDMAN
BLAIRMORE
TABER
LETH-BRIDGE
PINCHER
CROWSNEST
MAGRATH
MILK RIVER
PAKOWKI

PARTICULARS WITH REFERENCE TO THE COAL MINING INDUSTRY IN THE PROVINCE OF ALBERTA DURING THE YEAR ENDING DECEMBER 31, 1957.

SUMMARY OF STATISTICS

Number of short tons of coal produced	3,155,354
Total valuation of coal produced	$ 17,287,229
Number of short tons of briquettes made	265,645
Total valuation of briquettes made	$ 2,416,599
Number of mines in operation	93
Number of mines opened	4
Number of mines abandoned	27
Number of mines in operation at December 31st	93

28 mines or	30.10%	of the total operating produced	.31%	of the output
19 mines or	20.43%	of the total operating produced	1.69%	of the output
11 mines or	11.83%	of the total operating produced	2.59%	of the output
17 mines or	18.28%	of the total operating produced	12.73%	of the output
5 mines or	5.38%	of the total operating produced	13.12%	of the output
6 mines or	6.45%	of the total operating produced	23.73%	of the output
4 mines or	4.30%	of the total operating produced	23.32%	of the output
3 mines or	3.23%	of the total operating produced	22.51%	of the output

Average number of persons employed above ground	771
Average number of persons employed below ground	1,634
Average number of persons employed at strip mining	390
Average number of days worked	181.6
Total number of manshifts	535,346
Number of separate accidents causing loss of life	2
Number of fatal accidents above ground	1
Number of fatal accidents below ground	1
Number of serious accidents above ground	2
Number of serious accidents below ground	23
Number of slight accidents above ground	3
Number of slight accidents below ground	12
Total purchased electric power (kilowatt hours)	29,110,288
Number of prosecutions instituted	17
Number of trade name certificates issued	27
Number of provisional second class certificates issued	21
Number of provisional third class certificates issued	5
Number of provisional electricians' certificates issued	1
Number of provisional managers' certificates issued	..
Number of provisional foremen's certificates issued	23
Number of provisional blasters' certificates issued	2
Number of provisional miners' certificates issued	34
Number of miners' permits issued	137
Number of miners' certificates issued	33
Number of third class certificates issued	5
Number of mine surveyors' certificates issued	1
Number of first class mine electricians' certificates issued	..
Number of second class mine electricians' certificates issued	..
Number of managers' certificates issued	1
Number of foremen's certificates issued	2
Number of blasters' certificates issued	1
Number of first class certificates issued up to Dec. 31/57	313
Number of second class certificates issued up to Dec. 31/57	617
Number of third class certificates issued up to Dec. 31/57	1,850
Number of mine surveyors' certificates issued up to Dec. 31/57	247
Number of first class mine electricians' certificates issued up to Dec. 31/57	165
Number of second class mine electricians' certificates issued up to Dec. 31/57.	33
Number of managers' certificates issued up to Dec. 31/57	161
Number of foremen's certificates issued up to Dec. 31/57	220
Number of blasters' certificates issued up to Dec. 31/57	22
Number of miners' certificates issued up to Dec. 31/57	20,872

PARTICULARS WITH REFERENCE TO QUARRIES IN THE PROVINCE OF ALBERTA DURING THE YEAR ENDING DECEMBER 31, 1957.

Number of short tons of shale, clay limestone and bentonite produced.........	1,399,334
Number of short tons of shale, clay, limestone and bentonite imported........	60,583
Number of short tons used making bricks..................................	97,126
Number of short tons used making tile.....................................	74,544
Number of short tons used making other products...........................	1,288,247

	Bricks No.	Tile Tons	Other Products
Number made..........................	34,723,785	54,014	604,138
Number put to stock..................	6,326,794	16,177	44,788
Number lifted from stock.............	737,000	30,597	12,095
Number sold to:			
Alberta.............	21,542,976	58,513	435,288
Saskatchewan.........	2,949,580	3,677	24,824
British Columbia.....	2,326,765	1,937	72,353
Manitoba............	1,393,570	1,404	210
Ontario.............	352,450	587	...
Elsewhere...........	568,650	2,316	38,770
Total Sold.......	29,133,991	68,434	571,445

Number of quarries in operation..	17
Number of quarries opened..	3
Number of quarries abandoned...	3
Average number of persons employed...	226
Average number of days worked..	136
Total number of manshifts..	53,633
Number of pounds of explosives used..	294,379
Number of shots fired..	15,382
Number of missed fire shots..	26
Number of serious accidents	3
Number of prosecutions instituted..	5
Number of managers' certificates issued......................................	14
Number of foremen's certificates issued......................................	18
Number of blasters' certificates issued......................................	9
Number of managers' certificates issued up to December 31st, 1957............	14
Number of foremen's certificates issued up to December 31st, 1957............	18
Number of blasters' certificates issued up to December 31st, 1957............	36

ANNUAL PRODUCTION AND VALUATION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA
For the Years 1937 to 1957 Inclusive

Year	Output Tons	Valuation Dollars
1937	5,551,682	$ 14,434,969
1938	5,230,015	13,702,983
1939	5,518,105	14,454,327
1940	6,205,088	16,334,323
1941	6,970,064	19,337,420
1942	7,754,279	22,562,352
1943	7,677,982	22,624,410
1944	7,427,433	26,741,357
1945	7,801,248	27,699,333
1946	8,824,455	33,197,261
1947	8,074,596	36,317,343
1948	8,111,013	41,875,044
1949	8,616,983	44,541,538
1950	8,118,206	41,631,579
1951	7,661,276	41,000,953
1952	7,194,472	39,974,318
1953	5,917,423	32,158,435
1954	4,859,136	26,349,275
1955	4,456,578	23,486,399
1956	4,329,639	23,283,966
1957	3,155,534	17,287,229

PER CAPITA PRODUCTION OF MINES IN THE PROVINCE
For the Years 1937 to 1957 Inclusive

Year	Gross Tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of employed men underground	Tons of coal mined per man employed underground
1937	5,551,682	7,836	708	5,806	956
1938	5,230,015	7,411	706	5,427	965
1939	5,518,105	7,456	740	5,517	1,000
1940	6,205,088	7,416	836	5,526	1,122
1941	6,970,064	7,714	903	6,916	1,007
1942	7,754,279	8,040	964	5,865	1,322
1943	7,677,982	8,636	889	6,197	1,160
1944	7,427,433	8,375	887	6,867	1,135
1945	7,801,248	8,309	939	5,752	1,298
1946	8,824,455	8,583	1,028	6,987	1,187
1947	8,074,596	8,772	920	6,090	1,017
1948	8,111,013	8,865	915	5,702	946
1949	8,616,983	8,682	993	5,534	1,025
1950	8,118,206	7,999	1,015	4,990	1,006
1951	7,661,276	7,339	1,044	4,457	1,084
1952	7,194,472	6,936	1,037	4,211	1,070
1953	5,917,423	5,760	1,027	3,386	998
1954	4,859,136	4,719	1,030	2,733	999
1955	4,456,578	3,801	1,172	2,198	1,070
1956	4,329,639	3,443	1,258	1,963	1,185
1957	3,155,354	2,795	1,129	1,634	1,084

PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD
For the Years 1937 to 1957 Inclusive

Year	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1937	2,414,003	3,156	765	2,295	1,052
1938	2,287,840	3,131	731	2,254	1,015
1939	2,556,801	3,111	822	2,297	1,113
1940	3,069,197	3,155	972	2,354	1,303
1941	3,671,357	3,568	1,029	2,659	1,381
1942	3,807,619	3,766	1,008	2,746	1,387
1943	3,469,993	3,740	927	2,665	1,302
1944 Stp. Pit	119,092	35	3,403	.....	.....
B. Ground	3,432,113	3,762	935	2,655	1,293
1945 Stp. Pit	491,736	209	2,364	.....	.....
B. Ground	4,109,027	4,825	852	3,373	1,218
1946 Stp. Pit	991,335	332	2,986	.....	.....
B. Ground	4,398,261	4,869	903	3,384	1,300
1947 Stp. Pit	1,170,875	405	2,891	.....	.....
B. Ground	3,666,501	4,845	757	3,231	1,135
1948 Stp. Pit	1,709,039	552	3,096	.....	.....
B. Ground	3,211,757	4,918	653	3,258	986
1949 Stp. Pit	1,914,463	630	3,039	.....	.....
B. Ground	3,580,864	4,801	746	3,237	1,106
1950 Stp. Pit	1,865,120	588	3,172	.....	.....
B. Ground	2,927,900	4,440	659	2,948	993
1951 Stp. Pit	1,708,256	634	2,691	.....	.....
B. Ground	2,951,033	4,054	728	2,661	1,109
1952 Stp. Pit	1,455,453	532	2,736	.....	.....
B. Ground	2,923,169	4,044	723	2,668	1,095
1953 Stp. Pit	1,288,118	408	3,157	.....	.....
B. Ground	2,229,381	3,533	631	2,228	1,001
1954 Stp. Pit	851,381	376	2,264	.....	.....
B. Ground	1,550,804	2,544	610	1,569	988
1955 Stp. Pit	806,705	299	2,698	.....	.....
B. Ground	1,308,187	1,870	700	1,153	1,135
1956 Stp. Pit	747,018	228	3,276	.....	.....
B. Ground	1,317,705	1,698	776	1,027	1,283
1957 Stp. Pit	357,535	105	3,405	.....	.....
B. Ground	908,309	1,348	674	814	1,116

PER CAPITA PRODUCTION OF MINES IN THE SUB-BITUMINOUS
COAL FIELD
For the Years 1937 to 1957 Inclusive

Year	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1937-Stp. Pit.........	229,747	149	1,542	.....	.....
B. Ground........	276,782	504	549	348	795
1938-Stp. Pit.........	227,317	148	1,536	.....	.....
B. Ground	261,595	633	772	327	800
1939-Stp. Pit.........	246,459	142	1,735	.....	.....
B. Ground........	265,646	494	538	320	830
1940-Stp. Pit.........	318,425	241	1,321	.....	.....
B. Ground........	280,261	393	713	328	854
1941-Stp. Pit.........	320,801	272	1,179	.....	.....
B. Ground........	264,652	284	689	248	1,069
1942-Stp. Pit.........	332,748	191	1,742	.....	.....
B. Ground........	400,799	521	769	342	1,172
1943-Stp. Pit.........	351,890	360	967	.....	.....
B. Ground........	440,062	442	996	399	1,102
1944-Stp. Pit.........	280,420	161	1,742	.....	.....
B. Ground........	449,007	589	973	386	1,163
1945-Stp. Pit.........	833,129	330	2,525	.....	.....
B. Ground........	2,367,356	2,915	812	2,379	991
1946-Stp. Pit.........	831,505	316	2,631	.....	.....
B. Ground........	2,603,354	3,066	849	2,513	1,036
1947-Stp. Pit.........	709,704	339	2,094	.....	.....
B. Ground........	2,527,516	3,183	794	2,859	884
1948-Stp. Pit.........	1,007,042	385	2,616	.....	.....
B. Ground........	2,183,175	3,010	725	2,444	893
1949-Stp. Pit.........	1,027,493	432	2,378	.....	.....
B. Ground........	2,094,163	2,819	743	2,297	912
1950-Stp. Pit.........	1,233,234	466	2,646	.....	.....
B. Ground........	2,091,952	2,505	835	2,042	1,024
1951-Stp. Pit.........	1,120,858	447	2,507	.....	.....
B. Ground........	1,881,129	2,204	854	1,796	1,047
1952-Stp. Pit.........	1,233,056	454	2,716	.....	.....
B. Ground........	1,582,794	1,906	830	1,543	1,026
1953-Stp. Pit.........	1,247,075	365	3,417	.....	.....
B. Ground........	1,152,849	1,454	793	1,158	996
1954-Stp. Pit.........	1,278,186	356	3,590	.....	.....
B. Ground........	1,178,765	1,443	817	1,164	1,013
1955-Stp. Pit.........	1,297,530	323	4,002	.....	.....
B. Ground........	1,044,156	1,309	798	1,045	999
1956-Stp. Pit.........	1,257,616	323	3,894	.....	.....
B. Ground........	1,007,300	1,194	844	936	1,077
1957-Stp. Pit.........	1,027,337	285	3,605	.....	.....
B. Ground........	862,173	1,057	816	820	1,051

PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD

Year	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1936-Stp. Pit	80,111	107	749	.....	.....
B. Ground	2,761,120	4,112	671	3,243	851
1937-Stp. Pit	80,116	79	1,014	.....	.....
B. Ground	2,551,034	3,148	810	3,162	832
1938-Stp. Pit	72,829	74	945	.....	.....
B. Ground	2,380,434	3,573	667	2,846	801
1939-Stp. Pit	76,394	73	1,048	.....	.....
B. Ground	2,372,805	3,636	653	2,900	818
1940-Stp. Pit	74,021	71	1,042	.....	.....
B. Ground	2,463,184	3,556	692	2,844	866
1941-Stp. Pit	88,142	63	1,399	.....	.....
B. Ground	2,625,112	3,427	766	2,745	956
1942-Stp. Pit	119,615	67	1,785	.....	.....
B. Ground	3,093,498	3,485	888	2,777	1,114
1943-Stp. Pit	137,307	78	1,760	.....	.....
B. Ground	3,278,730	4,016	816	3,133	1,046
1944-Stp. Pit	366,862	263	1,395	.....	.....
B. Ground	2,779,939	3,565	882	2,826	984

CLASSIFICATION OF OUTPUT DURING THE YEARS 1937 to 1957 INCLUSIVE

Year	Domestic	Domestic and Bituminous	Sub-bituminous	Bituminous	Anthracite	Coal used in coke Production	Briquettes	Coke
1937........	2,631,150	....	506,529	2,414,003	....	99,537	27,044	65,967
1938........	2,453,263	....	488,912	2,287,850	....	103,498	39,239	68,692
1939........	2,449,199	....	512,105	2,556,801	....	103,191	48,510	68,913
1940........	2,537,205	....	598,686	3,069,197	....	105,926	66,127	70,753
1941........	2,713,254	....	585,453	3,671,357	....	105,390	126,188	70,354
1942........	3,213,113	....	733,547	3,807,619	....	107,410	197,905	71,572
1943........	3,416,037	....	791,952	3,469,993	....	101,132	222,106	67,348
1944........	3,146,801	....	729,427	3,551,205	....	101,633	253,592	67,821
1945........	....	....	3,200,485	4,600,763	....	64,280	250,274	43,180
1946........	....	....	3,434,859	5,389,596	....	64,878	275,646	43,206
1947........	....	....	3,237,220	4,837,376	....	81,128	282,898	52,627
1948........	....	....	3,190,217	4,920,796	....	78,795	321,574	45,718
1949........	....	....	3,121,656	5,495,327	....	91,361	460,643	54,922
1950........	....	....	3,325,186	4,793,020	....	23,079	409,855	16,637
1951........	....	....	3,001,987	4,659,289	....	6,957	345,768	3,959
1952........	....	....	2,815,850	4,378,622	....	3,474	661,862	574
1953........	....	....	2,399,924	3,517,499	....	....	665,556	......
1954........	....	....	2,456,951	2,402,185	....	....	635,501	......
1955........	....	....	2,341,686	2,114,892	....	....	435,785	......
1956........	....	....	2,264,916	2,064,723	....	....	525,202	......
1957........	....	....	1,889,510	1,265,844	....	....	265,645	......

Amount of Coal Sold During the Years 1937 to 1957 Inclusive for Consumption in:

Year	Alberta	B.C.	Sask.	Manitoba	Ontario	N.W.T.	Quebec	U.S.A.	To Railroads	Alaska	Total
1937........	1,326,054	269,023	1,085,812	437,954	62,521	82	...	41,328	2,028,389	.....	5,251,163
1938........	1,278,932	238,435	1,011,207	413,663	74,111	83	...	32,507	1,871,852	.....	4,920,790
1939........	1,241,618	239,227	1,044,367	409,046	90,206	..	...	33,139	2,109,684	.....	5,167,287
1940........	1,311,644	237,642	1,019,035	354,857	133,587	14	...	35,354	2,720,793	.....	5,812,926
1941........	1,335,606	304,928	1,052,913	430,663	234,606	..	...	32,742	3,090,290	.....	6,481,748
1942........	1,474,795	652,222	1,259,669	580,336	231,258	..	...	98,197	2,864,586	.....	7,171,063
1943........	1,560,212	864,911	1,455,612	627,368	1,190	..	...	414,627	2,098,535	.....	7,071,753
1944........	1,424,293	678,960	1,225,075	533,027	10,163	..	...	266,664	2,583,101	1,064	6,742,643
1945........	1,567,940	868,396	1,242,001	541,882	278,814	..	...	162,698	2,416,803	.....	7,098,928
1946........	1,608,296	982,413	1,449,002	658,733	348,137	..	...	137,271	2,893,207	.....	8,136,694
1947........	1,671,130	899,403	1,475,006	583,414	162,898	..	...	91,235	2,504,604	.....	7,433,989
1948........	1,593,629	945,700	1,413,283	625,009	202,520	..	58	84,495	2,312,273	.....	7,377,914
1949........	1,614,306	891,132	1,232,890	629,456	187,976	..	...	45,972	3,012,425	.....	7,617,632
1950........	1,672,519	873,558	1,366,723	586,920	312,563	..	...	105,765	2,308,365	.....	7,226,413
1951........	1,427,114	898,533	1,322,162	492,737	182,753	..	...	80,270	2,443,326	.....	6,891,212
1952........	1,234,307	1,021,484	1,241,716	384,924	126,381	..	...	71,817	2,065,365	.....	6,147,582
1953........	1,045,482	859,385	1,034,594	274,758	73,117	..	...	47,119	1,625,783	.....	4,960,238
1954........	1,064,817	891,194	995,882	292,455	85,836	..	...	33,124	743,743	.....	4,107,051
1955........	1,080,379	932,764	893,377	293,719	90,727	..	...	32,941	431,639	.....	3,755,546
1956........	1,020,538	860,329	871,719	304,918	75,029	..	120	45,692	385,388	.....	3,563,733
1957........	876,395	672,527	680,297	247,480	68,379	..	165	85,687	152,693	.....	2,784,760

NOTE: Included in the above totals are 49,298 tons for Ships Bunkers in 1943, 20,296 tons in 1944, 20,394 tons in 1945, 21,770 tons in 1946, 4,107 tons in 1947. The above also includes 37,865 tons shipped to China in 1946, 27,731 tons in 1947, also 14,461 tons to Japan in 1947, 200,947 tons in 1948, 3,475 tons to China in 1949, 44,317 tons to Japan in 1951, 1,588 tons in 1952, 1137 tons to Japan in 1957.

Coal Produced by Years from 1953 to 1957:

BITUMINOUS COAL FIELD

Areas	1953	1954	1955	1956	1957
Group 1:					
Cascade...............	238,608	233,538	201,513	220,564	203,993
Highwood..............	....	....	....	....	....
Nordegg...............	273,800	120,002	3,396	....	....
Group 2:					
Crowsnest.............	1,697,581	1,086,247	1,156,119	1,210,036	641,930
Mountain Park.........	482,681	265,075	178,335	116,656	....
Oldman................	....	....	....	....	....
Group 3:					
Coalspur..............	636,086	517,815	405,104	366,305	317,885
Halcourt..............	128	483	960	755	168
Lethbridge............	163,392	154,793	161,553	144,603	97,359
Morley................	....	....	....	....	....
Pekisko...............	6,712	6,319	5,175	5,330	4,509
Pincher...............	86	147	108	....	....
Prairie Creek	1,102	422	419	294	....
Red Deer..............	....	....	....	....	....
Saunders..............	15,323	17,344	2,210	....	....
No Area...............	....	....	....	180	....
Total.................	3,517,499	2,402,185	2,114,892	2,064,723	1,265,844

SUB-BITUMINOUS COAL FIELD

Group 4:					
Ardley................	46,847	66,898	63,447	56,114	45,334
Big Valley............	1,973	1,626	1,745	1,695	713
Brooks................	48,699	53,260	54,003	34,499	19,206
Carbon................	40,507	45,188	53,086	42,944	37,266
Champion..............	5,679	6,047	6,563	6,817	6,729
Drumheller............	1,028,067	1,058,594	933,957	905,717	763,673
Edmonton..............	233,061	240,446	218,259	174,808	141,208
Gleichen..............	9,303	9,150	8,534	6,225	5,579
Milk River............	....	....	....	....	....
Pembina...............	270,732	262,364	195,804	124,979	115,682
Taber.................	43,553	41,182	45,627	50,134	35,378
Wetaskiwin............	220	....	....	407	1,499
Whitecourt............	565	962	733	6	294
No Area...............	64	30	....	....	....
Group 5:					
Camrose...............	52,244	43,191	46,119	41,922	35,550
Castor................	426,235	443,438	530,464	602,855	478,808
Pakowki...............	45	44	20	....	....
Redcliff..............	4,339	4,022	4,432	4,396	3,816
Rochester.............	....	....	....	....	....
Sheerness.............	96,722	101,193	112,551	147,920	154,559
Slave.................	....	....	....	....	....
Tofield...............	80,719	69,129	56,970	54,122	35,348
Westlock..............	10,350	10,187	9,372	9,356	8,868
Total.................	2,399,924	2,456,951	2,341,686	2,264,916	1,889,510

How the total Output of BITUMINOUS COAL from the Province was disposed of by areas during 1957

Areas	Sold for Consumption in:							Total Sales	Used under Colliery Boilers	Used by Colliery Railroads	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output
	Alberta	Sask.	British Columbia	Manitoba	Ontario	United States	Sold to Railroad Companies									
Group 1:																
Cascade	1034	369	18208	9822	15031	42874	45336	132674	5206	956	57738	128949	...	121530	...	203993
Group 2:																
Crowsnest	17614	2361	221215	30085	5923	*43339	100145	420682	4812	60	197393	30312	59935	71264	...	641930
Mtn. Park	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Group 3:																
Coalspur	11384	2379	197872	15231	26080	...	7212	260158	33074	...	...	54888	11982	42217	...	317885
Halcourt	168	...	...	...	...	...	...	168	...	...	...	...	...	...	...	168
Lethbridge	47786	16552	19683	1634	1561	...	...	87216	1596	...	...	27048	30	17958	573	97359
Pekisko	2536	...	1973	...	...	...	...	4509	...	...	...	...	...	...	...	4509
Pr. Creek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
No Area	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total:	80522	21661	458951	56772	48595	*86213	152693	905407	44688	1016	255131	241197	71947	252969	573	1265844

* Includes 1137 tons shipped to Japan

How the total Output of SUB-BITUMINOUS COAL from the Province was disposed of by areas during 1957

Areas	Sold for Consumption in:							Total Sales	Used under Colliery Boilers	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output
	Alberta	Sask.	British Columbia	Manitoba	Ontario	Quebec	United States							
Group 4:														
Ardley	43345	...	...	...	...	...	...	43345	...	...	1989	...	...	45334
Big Valley	713	...	...	...	...	...	...	713	...	...	...	...	...	713
Brooks	14205	3906	170	715	210	...	...	19206	...	...	...	...	...	19206
Carbon	36827	...	...	...	...	...	...	36827	...	...	439	...	...	37266
Champion	6590	...	...	...	...	...	...	6590	...	...	139	...	...	6729
Drumheller	148505	369944	126254	97814	16035	165	...	758717	2266	27869	2616	27580	215	763673
Edmonton	137165	1889	630	43	1360	...	...	141087	121	...	...	...	...	141208
Gleichen	5579	...	...	...	...	...	...	5579	...	...	...	...	...	5579
Pembina	55838	40003	17763	1957	81	...	...	115642	...	40	...	...	...	115682
Taber	17206	8061	8760	730	...	...	356	35113	...	346	...	81	...	35378
Wetaskiwin	1484	...	...	...	...	...	...	1484	...	...	15	...	...	1499
Whitecourt	294	...	...	...	...	...	...	294	...	...	...	...	...	294
No Area	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Group 5:														
Camrose	32479	522	1724	...	40	...	39	34804	...	278	468	...	...	35550
Castor	230001	130689	53348	61735	1709	...	172	477654	...	...	1154	...	...	478808
Redcliff	3587	...	...	...	...	...	...	3587	...	...	229	...	...	3816
Sheerness	24403	98024	4808	26931	349	...	44	154559	...	...	...	...	...	154559
Tofield	28930	5598	119	783	...	...	...	35430	...	...	...	...	82	35348
Westlock	8722	...	...	...	...	...	...	8722	...	...	146	...	...	8868
Total:	795873	658636	213576	190708	19784	165	611	1879353	2387	28533	7195	27661	297	1889510

How the total Output of COAL from the Province was disposed of by months during 1957

Months	Sold for Consumption in:								Total Sales	Used under Colliery Boilers	Used by Colliery Railroads	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output
	Alberta	Sask.	British Columbia	Manitoba	Ontario	Quebec	United States	Sold to Railroad Companies									
January	139509	108614	97048	42691	12267	41	4952	18604	423726	5299	118	39388	9523	14909	30611	72	462280
February	106255	65953	75346	27014	7850	39	5330	19313	307100	4522	103	36921	5891	12950	25203	10	342274
March	65712	42153	43572	12324	2248	...	3219	8577	177805	3548	64	15761	17263	5420	24535	...	195326
April	27533	38855	45170	9263	1387	...	3148	15381	140737	4180	74	20012	29543	8060	7868	...	194738
May	17437	26670	38045	6823	1469	...	4680	17362	112486	3133	73	18697	22183	3729	19806	...	140495
June	14059	23552	31356	4496	1623	...	1368	14221	90675	3386	68	17370	34038	3959	24108	...	125388
July	9350	11848	27375	3719	1661	...	1761	10074	65788	2930	49	15680	29910	3611	26129	125	91714
August	22275	21866	37351	11236	4006	...	13016	10021	119771	3520	88	17095	42084	3522	26175	...	159905
September	58245	68645	55638	27797	11335	...	8162	3111	232933	3709	82	6687	29051	2728	19233	90	255867
October	146716	108922	87590	37834	8952	...	*18068	13375	421457	4399	107	20339	20462	5871	28562	...	444073
November	145584	91195	69950	35205	8956	44	17074	12225	380233	4334	98	25265	13033	8990	24483	348	407122
December	123720	72024	64086	29078	6625	41	6046	10429	312049	4115	92	21916	16749	5393	23917	225	336172
Total:	876395	680297	672527	247480	68379	165	*86824	152693	2784760	47075	1016	255131	269730	79142	280630	870	3155354
% of Total Sales	31.48	24.43	24.16	8.89	2.46	.01	3.08	5.49									

How the total Output of Briquettes from the Province was disposed of during 1957

Briquettes	12753	1240	24834	15595	10435	...	733	202040	267630	9	...	...	16744	...	18738	...	265645

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* Includes 1137 tons shipped to Japan

How the total Output of BITUMINOUS COAL was disposed of by months during 1957

Months	Sold for Consumption in:							Total Sales	Used under Colliery Boilers	Used by Colliery Railroads	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output
	Alberta	Sask.	British Columbia	Manitoba	Ontario	United States	Sold to Railroad Companies									
January	11945	3952	56348	9739	9440	4798	18604	114826	4937	118	39388	5924	14341	29856	...	149678
February	8624	1393	49567	6383	5877	5008	19313	96165	4190	103	36921	4804	12506	22097	...	132592
March	5245	474	35109	4615	1474	3182	8577	58676	3289	64	15761	16193	5223	21481	...	77725
April	2975	601	34928	1727	655	3148	15381	59415	4008	74	20012	26467	8024	6550	...	111450
May	1619	379	31998	1378	881	4680	17362	58297	3034	73	18697	19923	3712	15974	...	87762
June	1904	410	24815	1638	1384	1368	14221	45740	3329	68	17370	33232	3944	18793	...	84890
July	1557	611	22099	1462	1426	1761	10074	38990	2882	49	15680	28744	3603	24966	...	64982
August	3349	656	26728	3205	2898	13016	10021	59873	3449	88	17095	40781	3478	25105	...	99659
September	7780	2761	36037	7861	7513	8118	3111	73181	3581	82	6687	28333	2462	18253	...	96073
October	12932	5022	53288	6978	6424	*18068	13375	116087	4151	107	20339	15314	4666	27893	...	132771
November	12016	3226	44986	5803	6076	17074	12225	101406	4051	98	25265	7000	5364	22624	348	120212
December	10576	2176	43048	5983	4547	5992	10429	82751	3787	92	21916	14482	4624	19377	225	108050
Total:	80522	21661	458951	56772	48595	*86213	152693	905407	44688	1016	255131	241197	71947	252969	573	1265844
% of Total Sales	8.89	2.39	50.69	6.27	5.37	9.52	16.87									

* Includes 1137 tons shipped to Japan

How the Total Output of SUB-BITUMINOUS COAL was disposed of by months during 1957

Months	Sold for Consumption in:							Total Sales	Used under Colliery Boilers	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output
	Alberta	Sask.	British Columbia	Manitoba	Ontario	Quebec	United States							
January	127564	104662	40700	32952	2827	41	154	308900	362	3599	568	755	72	312602
February	97631	64560	25779	20631	1973	39	322	210935	332	1087	444	3106	10	209682
March	60467	41679	8463	7709	774	...	37	119129	259	1070	197	3054	...	117601
April	24558	38254	10242	7536	732	...	...	81322	172	3076	36	1318	...	83288
May	15818	26291	6047	5445	588	...	...	54189	99	2260	17	3832	...	52733
June	12155	23142	6541	2858	239	...	...	44935	57	806	15	5315	...	40498
July	7793	11237	5276	2257	235	...	...	26798	48	1166	8	1163	125	26732
August	18926	21210	10623	8031	1108	...	...	59898	71	1303	44	1070	...	60246
September	50465	65884	19601	19936	3822	...	44	159752	128	718	266	980	90	159794
October	133784	103900	34302	30856	2528	...	...	305370	248	5148	1205	669	...	311302
November	133568	87969	24964	29402	2880	44	...	278827	283	6033	3626	1859	...	286910
December	113144	69848	21038	23095	2078	41	54	229298	328	2267	769	4540	...	228122
Total:	795873	658636	213576	190708	19784	165	611	1879353	2387	28533	7195	27661	297	1889510
% of Total Sales	42.35	35.05	11.36	10.15	1.05	.01	.03							

OUTPUT AND NUMBER OF MINES PRODUCING

Kind of Coal	Under 1,000 Tons		1,000 to 5,000 Tons		5,000 to 10,000 Tons		10,000 to 50,000 Tons		50,000 to 100,000 Tons		100,000 to 150,000 Tons		150,000 to 200,000 Tons		200,000 to 300,000 Tons		Over 300,000 Tons		Total	
	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No	Output	No	Output	No.	Output
Bituminous...	5	1,066	2	8,942	2	15,254	2	43,220	3	256,378	1	144,806	2	357,367	2	438,811	..	...	19	1,265,844
Sub-bituminous	23	8,823	17	44,441	9	66,433	15	358,497	2	157,558	5	603,717	2	378,527	1	271,514	..	...	74	1,889,510
Total........	28	9,889	19	53,383	11	81,687	17	401,717	5	413,936	6	748,523	4	735,894	3	710,325	..	...	93	3,155,354

PER CAPITA PRODUCTION OF MINES BY AREAS

BITUMINOUS COAL FIELD

Areas	Strip and Underground Mining					Strip Mining					Underground Mining				
	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Total No. of Man-shifts	Tons of coal mined per eight-hour man-shift	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Total No. of Man-shifts	Tons of coal mined per eight-hour man-shift	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Total No. of Man-shifts	Tons of coal mined per eight-hour man-shift
Group 1:															
Cascade..........	203993	243	839	54111	3.77	...	...	...	...	...	203993	243	839	54111	3.77
Group 2:															
Crowsnest........	641930	627	1022	105897	6.06	357367	104	3436	17881	19.98	284563	523	544	88016	3.24
Group 3:															
Coalspur.........	317885	370	859	83989	3.78	...	...	...	...	...	317885	370	859	83989	3.78
Halcourt.........	168	1	168	46	3.65	168	1	168	46	3.65	...	...	...	...	...
Lethbridge.......	97359	206	473	31531	3.09	...	...	...	...	...	97359	206	473	31531	3.09
Pekisko..........	4509	6	751	1211	3.72	...	...	...	...	...	4509	6	751	1211	3.72
Total...........	1265844	1453	871	276785	4.57	357535	105	3405	17927	19.94	908309	1348	674	258858	3.50

SUB-BITUMINOUS COAL FIELD

Group 4:															
Ardley..........	45334	11	4121	3084	14.70	45334	11	4121	3084	14.70	...	...	...	...	...
Big Valley......	713	5	143	307	2.32	466	1	466	104	4.48	247	4	62	203	1.22
Brooks..........	19206	21	914	4648	4.13	19206	21	914	4648	4.13	...	...	...	...	...
Carbon..........	37266	23	1620	7026	5.30	24413	9	2713	2641	9.24	24413	14	1744	4385	5.56
Champion........	6729	11	612	1281	5.25	...	...	...	...	...	6729	11	612	1281	5.25
Drumheller......	763673	918	832	161694	4.73	9849	3	3283	810	12.16	753873	915	823	160884	4.69
Edmonton........	141208	102	1384	23833	5.92	64372	22	2926	6128	10. 5	76836	80	960	17705	4.34
Gleichen........	5579	11	507	2035	2.74	...	...	...	...	...	5579	11	507	2035	2.74
Pembina.........	115682	35	3305	6871	16.83	115682	35	3305	6871	16.83	...	...	...	...	...
Taber...........	35378	27	1310	4940	7.16	35378	27	1310	4940	7.16	...	...	...	...	...
Wetaskiwin......	1499	2	750	174	8.61	1499	2	750	174	8.61	...	...	...	...	...
Whitecourt......	294	2	147	49	6.00	294	2	147	49	6.00	...	...	...	...	...
Group 5:															
Camrose.........	35550	19	1871	5127	6.93	35550	19	1871	5127	6.93	...	...	...	...	...
Castor..........	478808	83	5769	21985	21.77	476519	71	6711	21060	22.62	2289	12	191	925	2.47
Redcliff........	3816	10	382	1414	2.69	...	...	...	...	...	3816	10	382	1414	2.69
Sheerness.......	154559	40	3864	10081	15.33	154559	40	3864	10081	15.33	...	...	...	...	...
Tofield.........	35348	15	2356	2850	12.40	35348	15	2356	2850	12.40	...	...	...	...	...
Westlock........	8868	7	1267	1162	7.63	8868	7	1267	1162	7.63	...	...	...	...	...
Total...........	1889510	1342	1408	258561	7.31	1027337	285	3605	69729	14.73	862173	1057	816	188832	4.56

SUMMARY

Bituminous......	1265844	1453	871	276785	4.57	357535	105	3405	17927	19.94	908309	1348	674	258858	3.50
Sub-bituminous..	1889510	1342	1408	258561	7.31	1027337	285	3605	69729	14.73	862173	1057	816	188832	4.56
Total...........	3155354	2795	1129	535346	5.89	1384872	390	3551	87656	15.79	1770482	2405	736	447690	3.95

Total Amount of Bituminous Mine Run Coal disposed of by areas during each month for consumption in Alberta

Form 603

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	...	5	5	2	...	...	...	...	...	2	26	12	52
Group 2:													
Crowsnest	368	294	101	214	216	241	457	337	276	400	262	197	3363
Group 3:													
Halcourt	72	83	13	...	...	...	...	...	...	...	...	...	168
Lethbridge	453	324	193	131	55	95	60	187	458	900	642	452	3950
Total:	893	706	312	347	271	336	517	524	734	1302	930	661	7533

Total Amount of Bituminous Lump Coal disposed of by areas during each month for consumption in Alberta

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	128	86	36	11	2	...	1	8	27	72	138	73	582
Group 2:													
Crowsnest	1337	895	1292	661	372	95	54	341	1847	895	711	540	9040
Group 3:													
Coalspur	1580	874	510	233	42	72	61	311	421	1254	1134	1181	7673
Lethbridge	2421	1767	640	322	299	705	359	782	1481	2613	2286	2505	16180
Pekisko	234	77	48	9	...	30	17	10	28	183	219	200	1055
Total:	5700	3699	2526	1236	715	902	492	1452	3804	5017	4488	4499	34530

Total Amount of Bituminous Nut Coal disposed of by areas during each month for consumption in Alberta

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	...	...	...	...	49	2	...	...	...	...	...	...	51
Group 2:													
Crowsnest	300	400	425	132	100	193	153	311	415	375	351	282	3437
Group 3:													
Coalspur	65	48	106	2	100	...	5	2	40	194	36	130	728
Lethbridge	1314	1085	553	873	227	374	209	579	911	1584	1255	1235	10199
Pekisko	36	49	11	24	...	...	...	7	5	79	89	63	363
Total:	1715	1582	1095	1031	476	569	367	899	1371	2232	1731	1710	14778

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Total Amount of Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in Alberta

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	61	46	31	27	10	10	8	12	24	39	42	38	348
Group 2:													
Crowsnest	16	142	59	59	57	16	18	61	69	72	205	181	955
Group 3:													
Coalspur	525	421	171	67	41	1	77	218	305	397	331	312	2866
Lethbridge	570	422	277	158	10	26	36	45	250	428	337	413	2972
Pekisko	35	66	51	7	...	9	...	10	27	26	10	10	251
Total:	1207	1097	589	318	118	62	139	346	675	962	925	954	7392
Total Amount of Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in Alberta													
Group 2:													
Crowsnest	...	...	...	...	...	...	...	...	...	249	185	209	643
Group 3:													
Pekisko	31	50	115	...	...	20	13	42	48	...	...	...	319
Total:	31	50	115	...	...	20	13	42	48	249	185	209	962
Total Amount of Bituminous Slack Coal disposed of by areas during each month for consumption in Alberta													
Group 1:													
Cascade	...	...	...	...	...	...	...	...	...	...	...	1	1
Group 2:													
Crowsnest	7	8	...	...	6	...	...	60	26	26	14	29	176
Group 3:													
Coalspur	6	96	15	...	...	...	...	...	...	...	...	...	117
Lethbridge	2325	1291	316	29	33	8	10	26	1099	3106	3733	2509	14485
Pekisko	61	95	277	14	...	7	19	...	23	38	10	4	548
Total:	2399	1490	608	43	39	15	29	86	1148	3170	3757	2543	15327

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Total Amount of Sub-Bituminous Mine Run Coal disposed of by areas during each month for consumption in Alberta

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Ardley	1222	1004	397	31	...	...	...	68	278	1089	1051	1188	6328
Big Valley	130	63	...	...	...	...	...	...	...	...	...	...	193
Brooks	1937	1402	700	307	46	59	19	291	796	3166	2755	2265	13743
Carbon	1031	690	415	...	...	...	...	31	200	1211	1383	1044	6005
Drumheller	1402	823	384	525	740	116	160	366	1281	1618	1029	800	9244
Edmonton	646	394	363	36	23	34	56	87	194	1285	1008	617	4743
Gleichen	809	624	324	147	38	48	135	419	483	827	859	866	5579
Pembina	121	221	27	...	...	...	...	...	...	18	...	...	387
Taber	...	...	...	...	...	...	...	...	...	197	...	...	197
Wetaskiwin	82	102	9	...	...	...	...	...	...	116	182	200	691
Whitecourt	...	10	...	...	...	...	...	...	...	...	16	70	96
Group 5:													
Camrose	...	...	...	...	...	...	...	...	...	501	460	313	1274
Castor	534	427	203	53	15	11	...	490	135	308	415	430	3021
Tofield	206	192	112	27	...	...	...	...	...	...	...	...	537
Westlock	234	262	141	28	2	...	...	...	81	377	227	215	1567
Total:	8354	6214	3075	1154	864	268	370	1752	3448	10713	9385	8008	53605

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Total Amount of Sub-Bituminous Lump Coal disposed of by areas during each month for consumption in Alberta

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Ardley	2108	1555	685	116	28	32	6	97	396	2788	2136	1648	11595
Big Valley	85	64	12	...	...	...	...	...	...	...	50	20	231
Brooks	134	...	37	...	...	...	...	...	41	...	41	...	253
Carbon	2345	2028	1010	478	111	160	99	430	894	3092	2774	1956	15377
Champion	349	346	212	117	44	65	28	119	214	438	467	375	2774
Drumheller	9934	4712	1701	2162	1224	581	370	1637	3033	8260	5679	3190	42483
Edmonton	9044	7259	3449	545	117	168	179	599	2210	6472	16990	7972	55004
Pembina	5939	4244	2546	595	239	225	270	367	993	4776	4452	4577	29223
Taber	1241	1006	769	407	45	32	...	...	912	1788	2007	1585	9792
Wetaskiwin	...	...	...	...	...	...	...	...	...	...	242	145	387
Group 5:													
Camrose	1611	748	74	16	8	7	11	125	356	2298	1322	1458	8034
Castor	14841	10415	4520	1353	506	376	565	1134	5550	22164	18322	13784	93530
Redcliff	409	293	130	61	...	...	...	10	357	882	797	233	3172
Sheerness	1927	1248	906	612	117	275	125	288	740	3126	3130	1789	14283
Tofield	3583	1112	2094	145	...	21	...	...	548	178	4159	4834	16674
Westlock	847	622	343	20	1	...	...	...	1	539	901	726	4000
Total:	54397	35652	18488	6627	2440	1942	1653	4806	16245	56801	63469	44292	306812

Total Amount of Sub-Bituminous Nut Coal disposed of by areas during each month for consumption in Alberta

Form 603

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Ardley	2234	2019	1333	260	89	123	43	305	686	3646	2780	2361	15879
Big Valley	98	88	...	...	...	...	...	...	...	...	...	...	186
Brooks	44	...	42	...	...	...	...	...	41	...	...	82	209
Carbon	347	281	178	57	28	23	6	34	142	564	469	467	2596
Champion	285	222	148	89	28	78	44	128	181	402	402	290	2297
Drumheller	1590	1075	464	934	371	220	256	450	841	2220	1717	985	11123
Edmonton	5611	4925	3098	895	552	396	460	927	2066	6138	6005	4941	36014
Pembina	2418	2346	1220	146	108	122	47	142	500	2468	2117	1540	13174
Taber	387	350	255	130	24	1	...	...	327	720	692	531	3417
Wetaskiwin	...	...	...	...	...	...	...	...	...	...	110	97	207
Group 5:													
Camrose	1697	1654	1408	460	108	171	97	346	515	2141	1423	1478	11498
Castor	2560	2069	1082	611	227	229	186	623	1115	4186	2941	2363	18192
Redcliff	62	47	19	12	...	...	...	1	53	106	76	34	410
Sheerness	584	606	408	345	85	35	48	33	178	882	776	489	4469
Tofield	480	208	1545	254	...	153	...	...	652	4	2101	3391	8788
Westlock	365	281	185	18	...	...	...	...	93	689	767	516	2914
Total:	18762	16171	11385	4211	1620	1551	1187	2989	7390	24166	22376	19565	131373

Form 603

Total Amount of Sub-Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in Alberta

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Ardley	1451	1125	824	194	183	94	124	224	381	1463	1134	1136	8333
Big Valley	61	26	...	...	...	...	...	...	...	...	...	...	87
Carbon	1191	806	606	305	102	110	50	158	315	986	805	872	6306
Champion	192	164	102	59	22	37	47	68	115	276	231	206	1519
Drumheller	3201	2329	801	1458	1223	197	380	524	1629	2836	1799	1855	18232
Edmonton	4236	2877	1826	421	356	202	76	337	931	1562	3869	3279	19972
Pembina	2003	1548	804	210	48	89	93	368	526	2134	1584	1444	10851
Taber	563	389	182	131	17	10	...	...	288	580	615	571	3346
Wetaskiwin	...	...	...	...	...	...	...	...	...	...	19	30	49
Group 5:													
Camrose	1062	852	518	199	70	79	47	153	304	1043	805	854	5986
Castor	5164	4155	2720	1065	359	297	263	607	1966	4413	4071	4205	29285
Sheerness	690	897	454	152	56	8	57	49	491	976	845	598	5273
Tofield	312	180	361	71	...	17	...	...	80	...	323	620	1964
Westlock	...	...	...	...	...	...	...	...	...	...	...	47	47
Total:	20126	15348	9198	4265	2436	1140	1137	2488	7026	16269	16100	15717	111250

Form 603

Total Amount of Sub-Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in Alberta

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Ardley	119	81	76	...	...	...	...	...	...	135	147	156	714
Big Valley	7	4	...	...	...	...	...	...	...	...	5	...	16
Carbon	63	61	36	14	2	...	...	23	38	...	43	65	345
Drumheller	684	627	92	228	2074	95	175	138	684	587	487	253	6124
Edmonton	317	346	201	41	...	18	...	...	...	902	...	...	1825
Pembina	140	124	10	...	...	...	...	...	3	75	79	47	478
Taber	...	...	...	...	...	...	...	...	...	...	...	7	7
Wetaskiwin	...	...	...	...	...	...	...	...	...	7	...	...	7
Group 5:													
Camrose	720	455	372	123	55	41	40	144	220	666	550	544	3930
Castor	65	50	34	5	...	...	...	...	8	65	92	59	378
Redcliff	...	...	...	...	...	...	...	...	4	1	...	...	5
Tofield	...	...	108	...	...	...	...	...	...	...	...	...	108
Total:	2115	1748	929	411	2131	154	215	305	957	2438	1403	1131	13937

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Total Amount of Sub-Bituminous Slack Coal disposed of by areas during each month for consumption in Alberta

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Ardley	128	256	59	...	...	...	...	...	...	7	16	30	496
Carbon	952	623	671	245	104	109	45	123	330	1267	934	795	6198
Drumheller	7304	6337	3256	3557	3461	6265	1930	3885	5254	8111	5728	6211	61299
Edmonton	5096	4036	3554	485	64	29	28	27	100	252	1211	4725	19607
Pembina	362	600	299	13	5	2	...	5	3	34	121	281	1725
Taber	115	33	50	22	4	...	...	...	38	50	43	92	447
Wetaskiwin	3	...	1	...	...	...	...	...	...	...	109	30	143
Whitecourt	...	...	...	...	...	...	...	...	...	...	96	102	198
Group 5:													
Camrose	212	361	102	78	16	42	8	62	90	254	298	234	1757
Castor	9020	9721	9249	3487	2673	653	1220	2480	9584	13403	12210	11895	85595
Sheerness	141	136	39	3	...	...	...	4	...	6	48	1	378
Tofield	447	372	40	...	...	...	...	...	...	...	...	...	859
Westlock	30	23	72	...	...	...	...	...	...	13	21	35	194
Total:	23810	22498	17392	7890	6327	7100	3231	6586	15399	23397	20835	24431	178896

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Total Amount of Bituminous Mine Run Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 2:													
Crowsnest	45	43	44	...	...	...	43	44	42	...	...	37	298
Total:	45	43	44	...	...	...	43	44	42	...	...	37	298

Total Amount of Bituminous Lump Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 2:													
Crowsnest	346	175	38	42	40	82	52	161	84	113	74	187	1394
Group 3:													
Coalspur	639	37	...	...	...	...	...	41	164	288	210	81	1460
Lethbridge	1881	625	140	243	339	264	83	331	1714	3392	2008	992	12012
Total:	2866	837	178	285	379	346	135	533	1962	3793	2292	1260	14866

Total Amount of Bituminous Nut Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 2:													
Crowsnest	42	...	...	38	...	...	...	...	117	77	...	...	274
Group 3:													
Coalspur	...	...	...	...	...	...	...	...	38	...	...	...	38
Lethbridge	594	281	179	202	...	64	...	40	395	927	677	138	3497
Total:	636	281	179	240	...	64	...	40	550	1004	677	138	3809

Total Amount of Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	95	117	...	36	...	...	...	...	43	41	...	...	332
Group 3:													
Coalspur	108	76	73	...	...	...	...	39	151	117	119	...	683
Lethbridge	202	...	...	...	...	...	...	...	13	67	61	657	1000
Total:	405	193	73	36	...	...	...	39	207	225	180	657	2015

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Total Amount of Bituminous Slack Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	...	...	...	...	...	...	...	...	...	...	37	...	37
Group 2:													
Crowsnest	...	...	...	...	...	...	395	...	...	...	...	...	395
Group 3:													
Coalspur	...	39	...	40	...	...	38	...	...	...	40	41	198
Lethbridge	...	...	...	...	...	...	...	...	...	...	...	43	43
Total:	...	39	...	40	...	...	433	...	...	...	77	84	673

Total Amount of Sub-Bituminous Mine Run Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	3976	1754	612	1249	2345	1301	612	688	2681	4368	2730	1051	23367
Total:	3976	1754	612	1249	2345	1301	612	688	2681	4368	2730	1051	23367

Total Amount of Sub-Bituminous Lump Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Brooks	632	126	41	...	45	...	...	...	39	206	122	134	1345
Drumheller	35618	15989	6027	9718	11801	9052	4465	8741	23815	38950	32680	15833	212689
Edmonton	311	41	...	...	...	...	150	...	...	...	895	...	1397
Pembina	687	396	220	84	40	85	84	...	134	265	300	341	2636
Taber	251	36	78	...	...	...	...	...	39	194	161	126	885
Group 5:													
Camrose	...	...	20	...	...	...	...	85	41	...	...	...	146
Castor	10517	8785	3495	2301	81	90	76	375	6302	15378	8816	9022	65238
Sheerness	4027	2509	1656	1929	306	582	358	654	1678	4170	3934	3721	25524
Tofield	201	...	177	228	...	88	...	...	329	...	274	506	1803
Total:	52244	27882	11714	14260	12273	9897	5133	9855	32377	59163	47182	29683	311663

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Total Amount of Sub-Bituminous Nut Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	4718	2382	1319	1784	1016	1165	325	938	2445	4670	2962	2462	26186
Edmonton	41	41	...	...	41	...	55	...	...	38	119	...	335
Pembina	15	15	57	15	...	...	...	...	...	135	61	...	298
Taber	...	...	...	...	...	...	...	...	...	...	42	...	42
Group 5:													
Camrose	45	...	21	...	44	...	...	...	44	...	...	...	154
Castor	3139	2742	2055	1106	1115	219	236	607	3194	5631	3485	2906	26435
Sheerness	1748	1168	798	41	128	77	62	276	2230	4652	4678	4398	20256
Tofield	102	...	1027	...	...	...	...	...	192	...	401	84	1806
Total:	9808	6348	5277	2946	2344	1461	678	1821	8105	15126	11748	9850	75512

Total Amount of Sub-Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Brooks	...	...	45	...	...	...	...	...	...	...	...	...	45
Drumheller	3336	2678	2206	1944	1081	809	403	1269	2603	3875	3068	3493	26765
Edmonton	84	...	...	...	...	...	...	...	...	...	39	34	157
Pembina	1361	1105	1429	694	618	44	45	124	686	672	738	697	8213
Taber	...	...	...	...	...	...	...	...	79	...	80	...	159
Group 5:													
Camrose	...	...	87	...	...	...	...	...	...	40	43	...	170
Castor	3520	3490	1667	648	227	196	155	706	2389	2844	2538	2686	21066
Sheerness	4850	4967	2978	1892	1018	321	169	715	2236	2552	2993	2267	26958
Tofield	345	...	84	122	...	40	...	...	197	...	430	771	1989
Total:	13496	12240	8496	5300	2944	1410	772	2814	8190	9983	9929	9948	85522

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Total Amount of Sub-Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	1598	1247	218	91	13	92	96	170	182	561	281	196	4745
Group 5:													
Camrose	52	...	...	...	...	...	...	...	...	...	...	...	52
Castor	...	41	...	...	...	...	...	...	...	24	86	47	198
Total:	1650	1288	218	91	13	92	96	170	182	585	367	243	4995

Total Amount of Sub-Bituminous Slack Coal disposed of by areas during each month for consumption in Saskatchewan

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Brooks	356	219	144	326	143	...	...	225	298	311	279	215	2516
Drumheller	11894	7781	4305	4573	2867	4476	1686	3993	8877	7541	8321	9878	76192
Pembina	3085	2141	4099	4459	1254	1841	1004	300	1867	2044	2796	3966	28856
Taber	872	1125	498	233	58	76	...	...	729	1250	1089	1045	6975
Group 5:													
Castor	5129	2770	1921	1188	758	472	603	468	906	1440	1071	1026	17752
Sheerness	2152	1012	4395	3629	1292	2116	653	876	1672	2089	2457	2943	25286
Total:	23488	15048	15362	14408	6372	8981	3946	5862	14349	14675	16013	19073	157577

Total Amount of Bituminous Lump Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	...	41	79	39	...	...	...	64	40	42	174	151	630
Group 2:													
Crowsnest	2216	1846	657	768	546	466	677	1261	2846	3550	1907	1974	18714
Group 3:													
Coalspur	15811	11039	4290	4589	3784	3565	2696	2221	5982	11081	9563	8450	83071
Lethbridge	2082	1578	146	184	315	265	365	631	1557	2619	1614	123	11479
Total:	20109	14504	5172	5580	4645	4296	3738	4177	10425	17292	13258	10698	113894

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Total Amount of Bituminous Nut Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	41	104	24	...	...	...	...	...	39	...	79	58	345
Group 2:													
Crowsnest	1117	1374	844	909	637	315	530	558	800	1226	1162	919	10391
Group 3:													
Coalspur	3676	2858	2282	1791	1448	1000	794	1174	1038	1599	2074	1994	21728
Lethbridge	735	569	220	60	258	121	82	165	389	1000	592	...	4191
Total:	5569	4905	3370	2760	2343	1436	1406	1897	2266	3825	3907	2971	36655
	Total Amount of Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in British Columbia												
Group 1:													
Cascade	1759	1475	1118	1010	498	484	435	1049	1614	2246	2416	2398	16502
Group 2:													
Crowsnest	1854	2922	1910	4000	5189	2763	340	1639	2109	2496	2143	2856	30221
Group 3:													
Coalspur	12598	10278	6840	5150	3789	2864	2749	3035	4994	9023	8583	8752	78655
Lethbridge	546	403	84	316	201	218	97	286	309	810	701	...	3971
Total:	16757	15078	9952	10476	9677	6329	3621	6009	9026	14575	13843	14006	129349
	Total Amount of Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in British Columbia												
Group 1:													
Cascade	40	100	117	140	...	...	...	...	...	...	...	...	397
Group 2:													
Crowsnest	...	...	...	...	...	...	...	...	...	829	...	42	871
Group 3:													
Pekisko	347	350	257	...	...	...	...	164	42	211	300	302	1973
Total:	387	450	374	140	...	...	...	164	42	1040	300	344	3241

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Total Amount of Bituminous Slack Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	40	39	...	...	...	...	59	39	39	79	...	39	334
Group 2:													
Crowsnest	12054	13175	14914	14806	14128	11597	12726	12985	13114	14738	12513	14268	161018
Group 3:													
Coalspur	1432	1416	1327	1166	1205	1157	507	1457	1125	1739	1165	722	14418
Lethbridge	...	...	...	...	...	...	42	...	...	...	...	...	42
Total:	13526	14630	16241	15972	15333	12754	13334	14481	14278	16556	13678	15029	175812

Total Amount of Sub-Bituminous Mine Run Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	1054	792	66	279	137	156	222	579	636	820	788	429	5958
Total:	1054	792	66	279	137	156	222	579	636	820	788	429	5958

Total Amount of Sub-Bituminous Lump Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Brooks	120	50	...	...	...	...	...	...	...	...	...	...	170
Drumheller	13190	9939	2183	4010	3382	3767	2559	4746	7099	13767	9780	6891	81313
Edmonton	78	41	...	...	...	42	...	...	...	39	167	85	452
Pembina	2475	1016	290	289	...	...	18	428	502	1389	494	816	7717
Taber	987	303	78	...	...	...	...	...	757	1282	812	522	4741
Group 5:													
Camrose	45	84	...	46	...	...	...	20	41	24	84	41	385
Castor	8285	3582	1553	968	103	171	426	897	3105	6614	4994	4864	35562
Sheerness	322	273	78	38	...	...	...	39	195	322	184	208	1659
Tofield	...	...	...	...	...	...	...	...	...	...	45	...	45
Total:	25502	15288	4182	5351	3485	3980	3003	6130	11699	23437	16560	13427	132044

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Total Amount of Sub-Bituminous Nut Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	3120	1816	389	984	719	808	701	1365	1366	2020	1653	1168	16109
Edmonton	...	7	...	...	...	...	...	...	...	90	...	...	97
Pembina	730	432	158	175	...	43	84	296	769	435	190	268	3580
Taber	150	105	185	41	...	39	...	...	145	170	139	67	1041
Group 5:													
Camrose	43	65	71	...	...	...	...	21	43	20	85	...	348
Castor	753	424	191	199	38	38	170	196	356	653	471	389	3878
Sheerness	38	41	12	...	11	...	...	38	170	97	93	...	500
Tofield	...	...	37	...	...	...	...	...	...	...	...	...	37
Total:	4834	2890	1043	1399	768	928	955	1916	2849	3485	2631	1892	25590

Total Amount of Sub-Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	3394	2426	1011	1218	1064	858	516	1206	1922	2889	2176	2040	20720
Edmonton	...	39	...	...	...	...	...	...	...	...	...	42	81
Pembina	1664	1065	1062	717	223	89	159	62	225	444	312	444	6466
Taber	442	563	139	40	41	...	...	...	300	580	556	317	2978
Group 5:													
Camrose	134	...	20	...	...	...	...	...	173	127	40	43	537
Castor	1758	1448	762	674	210	208	263	382	1070	1682	1087	1484	11028
Sheerness	496	355	106	78	26	121	41	121	383	380	299	243	2649
Tofield	...	...	...	...	...	...	...	...	...	...	...	37	37
Total:	7888	5896	3100	2727	1564	1276	979	1771	4073	6102	4470	4650	44496

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Total Amount of Sub-Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	662	448	...	136	93	95	40	146	75	38	...	225	1958
Group 5:													
Camrose	41	65	...	44	...	...	...	...	80	93	42	89	454
Castor	657	348	72	306	...	106	77	81	189	311	407	326	2880
Total:	1360	861	72	486	93	201	117	227	344	442	449	640	5292

Total Amount of Sub-Bituminous Slack Coal disposed of by areas during each month for consumption in British Columbia

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	62	52	...	...	...	...	...	...	...	16	66	...	196
Total:	62	52	...	...	...	...	...	...	...	16	66	...	196

Total Amount of Bituminous Mine Run Coal disposed of by areas during each month for consumption in Manitoba

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	66	...	...	...	269	280	504	1089	971	69	67	...	3315
Group 2:													
Crowsnest	47	...	...	...	...	...	...	74	74	...	...	...	195
Total:	113	...	...	...	269	280	504	1163	1045	69	67	...	3510

Total Amount of Bituminous Lump Coal disposed of by areas during each month for consumption in Manitoba

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	659	324	128	329	131	...	...	125	416	553	454	298	3417
Group 2:													
Crowsnest	157	148	64	41	161	349	322	254	348	191	341	176	2552
Group 3:													
Coalspur	2523	1456	209	342	400	118	159	326	1041	2355	1549	1339	11817
Lethbridge	339	127	...	...	...	...	...	41	82	364	230	147	1330
Total:	3678	2055	401	712	692	467	481	746	1887	3463	2574	1960	19116

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Total Amount of Bituminous Nut Coal disposed of by areas during each month for consumption in Manitoba

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	205	121	...	122	41	...	...	...	...	...	78	...	567
Group 2:													
Crowsnest	208	354	41	43	...	...	...	122	420	336	206	364	2094
Group 3:													
Coalspur	610	733	83	...	...	...	...	...	208	291	180	41	2146
Lethbridge	171	...	...	...	...	...	...	42	...	24	67	...	304
Total:	1194	1208	124	165	41	...	...	164	628	651	531	405	5111
Total Amount of Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in Manitoba													
Group 1:													
Cascade	462	245	...	39	76	610	...	91	130	146	209	515	2523
Group 2:													
Crowsnest	1185	562	605	420	...	...	324	878	2056	869	868	834	8601
Group 3:													
Coalspur	184	110	109	39	...	...	...	39	356	234	117	80	1268
Total:	1831	917	714	498	76	610	324	1008	2542	1249	1194	1429	12392
Total Amount of Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in Manitoba													
Group 2:													
Crowsnest	1731	1039	1976	312	300	281	73	...	1101	...	40	1112	7965
Total:	1731	1039	1976	312	300	281	73	...	1101	...	40	1112	7965
Total Amount of Bituminous Slack Coal disposed of by areas during each month for consumption in Manitoba													
Group 2:													
Crowsnest	1192	1164	1400	40	...	...	80	124	658	1546	1397	1077	8678
Total:	1192	1164	1400	40	...	...	80	124	658	1546	1397	1077	8678

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Total Amount of Sub-Bituminous Mine Run Coal disposed of by areas during each month for consumption in Manitoba

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	1869	1642	711	1123	1014	597	173	729	848	1803	1528	1828	13865
Total:	1869	1642	711	1123	1014	597	173	729	848	1803	1528	1828	13865
Total Amount of Sub-Bituminous Lump Coal disposed of by areas during each month for consumption in Manitoba													
Group 4:													
Brooks	429	41	...	...	42	...	...	...	82	41	80	...	715
Drumheller	12515	7562	2397	4265	3575	1841	1716	4425	6164	10946	11353	7146	73905
Edmonton	...	...	...	...	...	...	...	...	...	...	43	...	43
Pembina	261	...	...	...	...	...	...	...	24	85	...	...	370
Taber	210	39	...	...	...	...	...	...	45	153	175	...	622
Group 5:													
Castor	7399	5157	1425	291	81	...	...	313	4422	6546	6348	5243	37225
Sheerness	2051	993	398	471	115	38	117	266	1050	1772	2542	1942	11755
Tofield	125	...	175	...	...	...	...	...	...	...	181	...	481
Total:	22990	13792	4395	5027	3813	1879	1833	5004	11787	19543	20722	14331	125116
Total Amount of Sub-Bituminous Nut Coal disposed of by areas during each month for consumption in Manitoba													
Group 4:													
Drumheller	1335	729	158	411	208	77	131	593	557	799	937	479	6414
Pembina	...	...	...	...	...	...	...	...	10	...	...	147	157
Taber	...	...	...	...	...	...	...	...	...	41	41	...	82
Group 5:													
Castor	666	159	220	39	80	39	...	120	257	233	361	359	2533
Sheerness	211	163	41	129	...	...	...	79	325	75	251	281	1555
Tofield	...	...	133	...	...	...	...	...	43	...	...	45	221
Total:	2212	1051	552	579	288	116	131	792	1192	1148	1590	1311	10962

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Total Amount of Sub-Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in Manitoba

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	694	314	78	15	76	74	38	155	459	638	378	288	3207
Pembina	214	86	126	89	44	...	43	43	228	313	176	68	1430
Taber	...	...	...	...	...	...	...	...	...	...	26	...	26
Group 5:													
Castor	2970	2341	1009	394	39	151	...	879	3599	5086	2854	2655	21977
Sheerness	1908	1364	757	309	128	41	39	429	1751	2261	2060	2574	13621
Tofield	...	...	43	...	...	...	...	...	...	...	...	...	43
Total:	5786	4105	2013	807	287	266	120	1506	6037	8298	5494	5585	40304

Total Amount of Sub-Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in Manitoba

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Drumheller	95	41	...	...	43	...	...	...	72	64	68	40	423
Group 5:													
Tofield	...	...	38	...	...	...	...	...	...	...	...	...	38
Total:	95	41	38	...	43	...	...	...	72	64	68	40	461

Total Amount of Bituminous Lump Coal disposed of by areas during each month for consumption in Ontario

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	344	83	123	...	...	...	...	...	80	79	265	347	1321
Group 2:													
Crowsnest	82	...	...	...	...	...	...	...	...	40	224	39	385
Group 3:													
Coalspur	4262	3305	857	241	532	444	644	1062	3302	3056	3745	3074	24524
Lethbridge	203	136	...	40	...	...	55	90	365	184	142	...	1215
Total:	4891	3524	980	281	532	444	699	1152	3747	3359	4376	3460	27445

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Total Amount of Bituminous Nut Coal disposed of by areas during each month for consumption in Ontario

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	223	166	...	...	47	99	100	134	1954	1678	419	149	4969
Group 2:													
Crowsnest	...	60	...	...	...	...	...	...	...	...	...	...	60
Group 3:													
Coalspur	175	120	41	...	...	36	79	82	...	201	163	165	1062
Lethbridge	90	...	...	...	45	...	...	...	56	99	56	...	346
Total:	488	346	41	...	92	135	179	216	2010	1978	638	314	6437
Total Amount of Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in Ontario													
Group 1:													
Cascade	369	582	453	374	...	...	156	483	259	1	127	...	2804
Group 2:													
Crowsnest	3577	1425	...	...	...	...	...	...	344	132	...	...	5478
Group 3:													
Coalspur	...	...	...	...	...	494	...	...	...	...	...	...	494
Total:	3946	2007	453	374	...	494	156	483	603	133	127	...	8776
Total Amount of Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in Ontario													
Group 1:													
Cascade	115	...	...	...	257	311	392	1047	1153	954	935	773	5937
Total:	115	...	...	...	257	311	392	1047	1153	954	935	773	5937
Total Amount of Sub-Bituminous Mine Run Coal disposed of by areas during each month for consumption in Ontario													
Group 4:													
Drumheller	124	124	297	81	...	...	...	134	...	...	120	123	1003
Total:	124	124	297	81	...	...	...	134	...	...	120	123	1003

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Total Amount of Sub-Bituminous Lump Coal disposed of by areas during each month for consumption in Ontario

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Brooks	83	40	...	...	...	...	...	...	46	...	...	41	210
Drumheller	1809	1347	358	610	513	201	96	696	2380	1517	1750	1136	12413
Edmonton	86	43	...	...	...	...	...	42	230	203	507	219	1330
Pembina	...	...	...	...	...	...	...	...	81	...	...	...	81
Group 5:													
Camrose	...	...	...	...	...	...	...	...	...	...	...	40	40
Castor	329	48	...	...	...	...	...	...	606	375	154	197	1709
Sheerness	75	...	38	...	...	...	37	...	38	85	39	...	312
Total:	2382	1478	396	610	513	201	133	738	3381	2180	2450	1633	16095
Total Amount of Sub-Bituminous Nut Coal disposed of by areas during each month for consumption in Ontario													
Group 4:													
Drumheller	282	292	81	41	75	38	102	236	374	262	305	285	2373
Edmonton	...	...	...	...	...	...	...	...	25	...	5	...	30
Group 5:													
Sheerness	...	...	...	...	...	...	...	...	...	...	...	37	37
Total:	282	292	81	41	75	38	102	236	399	262	310	322	2440
Total Amount of Sub-Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in Ontario													
Group 4:													
Drumheller	39	79	...	...	...	...	...	...	42	66	...	...	226
Total:	39	79	...	...	...	...	...	...	42	66	...	...	226
Total Amount of Sub-Bituminous Slack Coal disposed of by areas during each month for consumption in Ontario													
Group 4:													
Drumheller	...	...	...	...	...	...	...	...	...	20	...	...	20
Total:	...	...	...	...	...	...	...	...	...	20	...	...	20

Form 603

Total Amount of Sub-Bituminous Nut Coal disposed of by areas during each month for consumption in Quebec

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4: Drumheller	41	39	...	...	...	...	...	...	...	...	44	41	165
Total:	41	39	...	...	...	...	...	...	...	...	44	41	165
Total Amount of Bituminous Mine Run Coal disposed of by areas during each month for consumption in United States													
Group 1: Cascade	...	...	...	...	130	...	...	622	284	322	529	680	2567
Total:	...	...	...	...	130	...	...	622	284	322	529	680	2567
Total Amount of Bituminous Lump Coal disposed of by areas during each month for consumption in United States													
Group 2: Crowsnest	334	52	69	...	...	...	...	...	189	52	46	51	793
Total:	334	52	69	...	...	...	...	...	189	52	46	51	793
Total Amount of Bituminous Nut Coal disposed of by areas during each month for consumption in United States													
Group 1: Cascade	...	...	...	...	...	...	...	...	...	...	...	100	100
Group 2: Crowsnest	1340	1057	463	1046	518	327	251	56	557	1122	1614	1311	9662
Total:	1340	1057	463	1046	518	327	251	56	557	1122	1614	1411	9762
Total Amount of Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in United States													
Group 1: Cascade	...	...	...	...	141	...	49	65	...	...	...	98	353
Group 2: Crowsnest	1879	2159	803	1298	849	480	211	275	562	1601	1813	1631	13561
Total:	1879	2159	803	1298	990	480	260	340	562	1601	1813	1729	13914

Form 603

Total Amount of Bituminous Nut-Slack Coal disposed of by areas during each month for consumption in United States

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	...	...	...	...	115	131	...	...	...	...	...	...	246
Group 2:													
Crowsnest	195	356	339	195	150	149	...	73	79	246	1826	369	3977
Total:	195	356	339	195	265	280	...	73	79	246	1826	369	4223
Total Amount of Bituminous Slack Coal disposed of by areas during each month for consumption in United States													
Group 1:													
Cascade	...	...	...	...	2036	...	...	10394	4984	11310	10884	...	39608
Group 2:													
Crowsnest	1050	1384	1508	609	741	281	1250	1531	1463	2278	362	1752	14209
Total:	1050	1384	1508	609	2777	281	1250	11925	6447	13588	11246	1752	53817
Total Amount of Sub-Bituminous Lump Coal disposed of by areas during each month for consumption in United States													
Group 5:													
Castor	81	...	37	...	...	...	...	...	...	...	...	...	118
Total:	81	...	37	...	...	...	...	...	...	...	...	...	118
Total Amount of Sub-Bituminous Prepared Stoker Coal disposed of by areas during each month for consumption in United States													
Group 4:													
Taber	73	283	...	...	...	...	...	...	...	...	...	...	356
Group 5:													
Camrose	...	39	...	...	...	...	...	...	...	...	...	...	39
Sheerness	...	...	...	...	...	...	...	...	44	...	...	...	44
Total:	73	322	...	...	...	...	...	...	44	...	...	...	439

Form 603

Total Amount of Sub-Bituminous Slack Coal disposed of by areas during each month for consumption in United States

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 5:													
Castor	...	...	...	...	...	...	...	...	...	...	...	54	54
Total:	...	...	...	...	...	...	...	...	...	...	...	54	54
Total Amount of Bituminous Slack Coal disposed of by areas during each month for consumption in Japan													
Group 2:													
Crowsnest	...	...	...	...	...	...	...	...	...	1137	...	...	1137
Total:	...	...	...	...	...	...	...	...	...	1137	...	...	1137

Form 603

Men Employed above and below ground in the BITUMINOUS FIELD by areas during each month

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	245	250	235	234	236	226	236	248	245	241	256	258	243
Group 2:													
Crowsnest	899	882	862	830	580	549	525	473	481	484	491	473	627
Group 3:													
Coalspur	372	372	365	363	353	368	364	369	378	379	383	376	370
Halcourt	2	2	2	...	...	...	...	...	...	...	...	...	1
Lethbridge	370	331	154	119	117	161	178	193	209	218	212	210	206
Pekisko	10	10	9	6	...	1	1	6	6	6	6	7	6
Total:	1898	1847	1627	1552	1286	1305	1304	1289	1319	1328	1348	1324	1453

Form 603

Men Employed above and below ground in the SUB-BITUMINOUS FIELD by areas during each month

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Ardley	18	17	15	6	4	4	4	6	7	14	20	20	11
Big Valley	6	6	4	...	...	...	...	...	...	...	3	5	5
Brooks	29	22	16	15	17	19	19	23	21	25	23	24	21
Carbon	50	46	45	16	13	15	12	24	30	46	49	48	23
Champion	11	10	10	6	6	6	7	9	15	16	17	16	11
Drumheller	1137	1112	804	703	681	723	764	848	999	1079	1086	1085	918
Edmonton	169	149	114	50	39	40	33	46	103	139	186	161	102
Gleichen	14	14	11	7	6	5	8	10	11	15	15	16	11
Pembina	66	50	45	20	11	13	15	20	33	43	58	45	35
Taber	25	22	19	16	17	18	...	...	37	45	36	37	27
Wetaskiwin	2	2	2	...	...	...	...	...	...	2	2	2	2
Whitecourt	...	2	...	...	...	...	...	...	...	...	2	2	2
Group 5:													
Camrose	28	24	17	12	9	8	10	11	12	24	43	28	19
Castor	113	111	88	61	54	54	53	64	80	103	111	110	83
Redcliff	13	10	9	5	...	...	...	4	11	13	13	12	10
Sheerness	55	41	40	36	35	35	34	34	38	44	45	45	40
Tofield	19	8	27	15	...	10	...	...	9	4	16	23	15
Westlock	9	9	8	6	2	...	...	...	3	8	9	11	7
Total:	1764	1655	1274	974	894	950	959	1099	1409	1620	1734	1690	1342
Bituminous	1898	1847	1627	1552	1286	1305	1304	1289	1319	1328	1348	1324	1453
Sub-Bituminous	1764	1655	1274	974	894	950	959	1099	1409	1620	1734	1690	1342
Total:	3662	3502	2901	2526	2180	2255	2263	2388	2728	2948	3082	3014	2795

Form 603

Number of days on which Coal was drawn in the BITUMINOUS FIELD by areas during each month

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 1:													
Cascade	21.0	18.0	10.0	12.0	15.0	13.0	10.0	19.0	17.0	21.0	20.0	19.0	195.0
Group 2:													
Crowsnest	14.0	11.6	7.5	10.6	10.1	15.4	18.6	17.1	19.3	21.7	16.6	18.5	181.0
Group 3:													
Coalspur	21.5	20.5	18.5	18.0	18.5	20.0	12.0	20.0	20.0	21.3	17.0	17.0	224.3
Halcourt	10.0	10.0	3.0	...	...	...	...	...	...	...	...	...	23.0
Lethbridge	12.5	8.5	13.7	8.7	11.5	15.0	11.0	15.5	15.0	18.0	12.5	8.5	150.4
Pekisko	22.0	20.0	20.0	2.0	...	2.0	2.0	16.0	19.0	22.0	21.0	20.0	166.0
Total:	101.0	88.6	72.7	51.3	55.1	65.4	53.6	87.6	90.3	104.0	87.1	83.0	939.7 182.0

Form 603

Number of days on which Coal was drawn in the SUB-BITUMINOUS FIELD by areas during each month

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Group 4:													
Ardley	26.0	24.0	21.0	16.5	26.0	25.0	26.0	18.5	25.5	23.7	24.3	23.7	280.2
Big Valley	21.0	21.0	4.0	...	...	...	...	...	...	...	16.0	3.0	65.0
Brooks	23.0	24.0	20.0	6.0	1.0	2.0	2.0	5.0	15.0	14.0	23.0	21.5	156.5
Carbon	19.8	16.4	16.9	11.5	11.0	11.3	9.0	11.3	17.7	18.8	21.0	18.4	183.1
Champion	21.5	20.0	17.0	15.5	12.0	12.0	21.0	17.5	18.0	20.5	20.0	17.0	212.0
Drumheller	20.0	11.8	8.2	9.8	12.1	10.9	7.0	10.5	15.5	19.1	15.4	11.7	152.0
Edmonton	21.6	19.3	14.5	10.2	16.0	18.8	14.5	16.3	18.2	21.8	21.3	21.4	213.9
Gleichen	24.0	22.5	17.5	11.0	3.5	4.0	10.0	23.0	23.5	22.5	23.0	20.0	204.5
Pembina	17.3	17.8	13.8	12.0	14.0	7.5	7.5	8.5	10.3	14.8	13.8	16.0	153.3
Taber	20.5	12.0	15.0	5.0	1.0	2.0	...	...	19.0	13.0	14.0	13.3	114.8
Wetaskiwin	10.0	24.0	14.0	...	...	...	...	...	...	8.0	26.0	22.0	104.0
Whitecourt	...	3.0	...	...	...	...	...	...	...	...	8.0	10.5	21.5
Group 5:													
Camrose	24.5	16.7	19.5	10.0	8.0	8.0	6.0	15.0	15.0	23.0	23.5	24.7	193.9
Castor	16.9	15.9	11.7	9.0	8.0	3.6	3.5	10.7	20.5	20.5	18.3	17.4	156.0
Redcliff	14.0	19.0	5.0	5.0	...	...	...	18.0	21.0	26.0	24.0	11.0	143.0
Sheerness	24.0	18.5	14.0	12.0	5.0	4.0	3.0	4.5	15.5	23.5	23.0	21.0	168.0
Tofield	22.3	17.0	21.0	20.3	...	25.0	...	...	20.0	6.0	18.0	16.3	165.9
Westlock	20.0	17.5	14.5	11.5	20.0	...	...	...	17.0	27.0	15.0	21.0	163.5
Total:	346.4	320.4	247.6	165.3	137.6	134.1	109.5	158.8	271.7	302.2	347.6	309.9	2851.1 181.2
Bituminous	101.0	88.6	72.7	51.3	55.1	65.4	53.6	87.6	90.3	104.0	87.1	83.0	939.7
Sub-Bituminous	346.4	320.4	247.6	165.3	137.6	134.1	109.5	158.8	271.7	302.2	347.6	309.9	2851.1
Total:	447.4	409.0	320.3	216.6	192.7	199.5	163.1	246.4	362.0	406.2	434.7	392.9	3790.8 181.6

Total number of shifts worked above and below ground by areas during each month, for the six months ending June 30th, 1957

BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total January to June	
	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.
Group 1:														
Cascade	2100	3076	1923	2801	1482	1764	1514	1882	1806	2365	1719	2018	10544	13906
Group 2:														
Crowsnest	8692	5210	8124	4190	5358	2519	6789	3580	5201	3144	4176	2759	38340	21402
Mtn. Park	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Group 3:														
Coalspur	3106	4723	2970	4489	2819	4155	2795	4078	2756	3834	3095	4312	17541	25591
Halcourt	20	...	20	...	6	...	...	...	...	...	...	...	46	...
Lethbridge	1373	2721	1304	2411	585	798	522	763	749	667	937	1531	5470	8891
Pekisko	47	173	42	156	35	141	2	10	...	...	...	2	126	482
Pr. Creek	...	...	...	...	...	...	...	...	...	...	...	...	...	...
No Area	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total:	15338	15903	14383	14047	10285	9377	11622	10313	10512	10010	9927	10622	72067	70272

Total number of shifts worked above and below ground by areas during each month for the six months ending
December 31st, 1957

BITUMINOUS FIELD

Areas	July		August		September		October		November		December		Total July to December		Total for year 1957	
	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.
Group 1:																
Cascade	3200	1587	2217	2869	2065	2496	2256	2838	2201	2961	2079	2892	14018	15643	24562	29549
Group 2:																
Crowsnest	3534	2407	3874	2786	4052	3127	5197	4239	4833	3895	4707	3504	26197	19958	64537	41360
Mtn. Park	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Group 3:																
Coalspur	2448	2752	2933	4417	2989	4324	3259	4372	2949	4192	2601	3621	17179	23678	34720	49269
Halcourt	...	...	...	...	...	...	...	...	...	...	...	...	...	...	46	...
Lethbridge	915	1782	1065	2384	1077	1803	1247	2907	898	1544	706	842	5908	11262	11378	20153
Pekisko	...	2	34	69	36	69	49	79	45	80	43	97	207	396	333	878
Pr. Creek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
No Area	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total:	10097	8530	10123	12525	10219	11819	12008	14435	10926	12672	10136	10956	63509	70937	135576	141209

Total number of shifts worked above and below ground by areas during each month for the six months ending June 30th, 1957

SUB-BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total January to June	
	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.
Group 4:														
Ardley	462	...	388	...	278	...	114	...	104	...	96	...	1442	...
Big Valley	68	48	52	60	...	16	...	...	...	...	...	...	120	124
Brooks	490	...	341	...	351	...	324	...	322	...	419	...	2247	...
Carbon	459	508	384	412	274	427	100	180	121	139	118	127	1456	1793
Champion	21	106	20	96	16	76	...	52	...	38	...	40	57	408
Drumheller	5321	17289	3955	11620	2537	5284	3086	7158	2893	7152	2703	6248	20495	54751
Edmonton	1473	1886	1137	1631	857	1033	348	547	372	394	257	532	4444	6023
Gleichen	47	237	34	185	22	124	9	51	5	16	3	14	120	627
Pembina	1080	...	790	...	640	...	309	...	218	...	272	...	3309	...
Taber	427	...	326	...	286	...	262	...	453	...	385	...	2139	...
Wetaskiwin	24	...	48	...	28	...	...	...	...	...	...	...	100	...
Whitecourt	...	...	6	...	...	...	...	...	...	...	...	...	6	...
No Area	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Group 5:														
Camrose	638	...	484	...	386	...	238	...	214	...	212	...	2172	...
Castor	2559	120	2008	138	1709	70	1232	26	1143	16	1124	8	9775	378
Redcliff	27	152	19	142	21	100	10	18	...	...	...	...	77	412
Sheerness	1115	...	848	...	855	...	742	...	767	...	672	...	4999	...
Tofield	461	...	165	...	631	...	362	...	...	...	244	...	1863	...
Westlock	167	...	150	...	124	...	63	...	40	...	...	...	544	...
Total:	14839	20346	11155	14284	9015	7130	7199	8032	6652	7755	6505	6969	55365	64516

SUMMARY

Bituminous	15338	15903	14383	14047	10285	9377	11622	10313	10512	10010	9927	10620	72067	70272
S.Bituminous	14839	20346	11155	14284	9015	7130	7199	8032	6652	7755	6505	6969	55365	64516
Total:	30177	36249	25538	28331	19300	16507	18821	18345	17164	17765	16432	17589	127432	134788

Total number of shifts worked above and below ground by areas during each month for the six months ending December 31st, 1956

SUB-BITUMINOUS FIELD

Areas	July		August		September		October		November		December		Total July to December		Total 1957	
	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.	Above Grd.	Below Grd.
Group 4:																
Ardley	104	...	126	...	176	...	323	...	452	...	461	...	1642	...	3084	...
Big Valley	...	...	...	...	...	...	...	...	...	48	...	15	...	63	120	187
Brooks	218	...	419	...	443	...	472	...	461	...	388	...	2401	...	4648	...
Carbon	118	84	164	193	242	308	434	491	493	473	400	377	1851	1926	3307	3719
Champion	...	56	...	82	15	137	19	164	19	172	14	138	67	749	124	1157
Drumheller	1936	3567	3031	7830	3973	11826	5049	16971	4618	15040	3322	9285	21929	64519	42424	119270
Edmonton	223	320	250	484	616	1004	854	1767	2478	2184	1138	2048	5559	7807	10003	13830
Gleichen	10	51	24	162	22	164	44	252	46	246	40	227	186	1102	306	1729
Pembina	280	...	331	...	467	...	920	...	838	...	726	...	3562	...	6871	...
Taber	...	...	...	...	754	...	954	...	575	...	518	...	2801	...	4940	...
Wetaskiwin	...	...	...	...	...	...	26	...	26	...	22	...	74	...	174	...
Whitecourt	...	...	...	...	...	...	...	...	22	...	21	...	43	...	49	...
No Area	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Group 5:																
Camrose	245	...	259	...	261	...	517	...	1070	...	603	...	2955	...	5127	...
Castor	1083	...	1339	10	1726	24	2638	58	2545	96	2176	137	11507	325	21282	703
Redcliff	...	...	...	78	15	155	26	248	26	245	22	110	89	836	166	1248
Sheerness	547	...	791	...	779	...	1002	...	996	...	967	...	5082	...	10081	...
Tofield	...	...	...	...	183	...	18	...	332	...	454	...	987	...	2850	...
Westlock	...	...	...	...	60	...	163	...	172	...	223	...	618	...	1162	...
Total:	4764	4078	6734	8839	9732	13618	13459	19951	15169	18504	11495	12337	61353	77327	116718	141843

SUMMARY

	July		August		September		October		November		December		Total July to December		Total 1957	
Bituminous	10097	8530	10123	12525	10219	11819	12008	14435	10926	12672	10136	10956	63509	70937	135576	141209
S.Bituminous	4764	4078	6734	8839	9732	13618	13459	19951	15169	18504	11495	12337	61353	77327	116718	141843
Total:	14861	12608	16857	21364	19951	25437	25467	34386	26095	31176	21631	23293	124862	148264	252294	283052

PRODUCTION OF COAL PER EIGHT-HOUR MAN-SHIFT

For the Years 1937 to 1957 Inclusive

Year	Gross tons of coal mined	Total No. of Eight-hour Man-shifts	Average No. of tons of coal mined Per Eight-hour Shift
1937	5,551,682	1,620,003	3.426
1938	5,230,015	1,498,855	3.489
1939	5,518,105	1,549,042	3.562
1940	6,205,088	1,673,948	3.706
1941	6,970,064	1,877,968	3.711
1942	7,754,279	2,229,655	3.477
1943	7,677,982	2,200,426	3.489
1944	7,427,433	2,034,155	3.651
1945	7,801,248	1,990,452	3.919
1946	8,824,455	2,105,511	4.191
1947	8,074,596	1,998,002	4.041
1948	8,111,013	1,894,837	4.280
1949	8,616,983	1,910,922	4.510
1950	8,118,206	1,735,316	4.678
1951	7,661,276	1,683,061	4.552
1952	7,194,472	1,522,264	4.726
1953	5,917,423	1,141,531	5.184
1954	4,859,136	943,558	5.150
1955	4,456,578	783,239	5.690
1956	4,329,639	750,318	5.770
1957	3,155,354	535,346	5.894

AMOUNT OF MINE TIMBER USED DURING THE YEAR

BITUMINOUS COAL FIELD

Area	Timber lineal feet	Lumber B.M. feet	Lagging lineal feet	Ties lineal feet	Sprags lineal feet
Group 1:					
Cascade..............................	468,369	...	...	18,096	...
Group 2:					
Crowsnest..........................	464,397	285,390	126,468	3,756	2,000
Group 3:					
Coalspur............................	310,210	328,717	37,750	14,674	...
Lethbridge..........................	305,954	29,619	1,000	4,005	...
Pekisko.............................	4,500	...	...	...	...
Total...............................	1,553,430	643,726	165,218	40,531	2,000

SUB-BITUMINOUS COAL FIELD

Area	Timber lineal feet	Lumber B.M. feet	Lagging lineal feet	Ties lineal feet	Sprags lineal feet
Group 4;					
Big Valley.........................	14,000	...	500	200	...
Carbon..............................	80,212	4,000	6,500	6,700	...
Champion...........................	10,300	2,600	3,100	...	...
Drumheller.........................	2,394,222	51,632	...	173,851	...
Edmonton...........................	175,026	4,000	14,000	18,170	...
Gleichen............................	15,350	1,380	1,000	1,520	...
Group 5:					
Castor..............................	11,217	...	2,250	765	200
Redcliff............................	2,289	763	...	274	...
Total...............................	2,702,616	64,375	27,350	201,480	200

PARTICULARS OF LAMPS IN THE BITUMINOUS AND SUB-BITUMINOUS COAL FIELDS DURING THE YEARS 1956 and 1957

BITUMINOUS COAL FIELD

	1956	1957
Portable Electric Lamps, Edison Cap Type....	1,994	1,795
Wolfe Flame Type...........................	154	151
Total........................	2,148	1,946

SUB-BITUMINOUS COAL FIELD

	1956	1957
Portable Electric Lamps, Edison Cap Type....	1,232	1,268
Wolfe Flame Type...........................	120	117
Total........................	1,352	1,385

QUANTITY OF EXPLOSIVES USED IN POUNDS FOR BLASTING COAL

BITUMINOUS COAL FIELD

Area	Name of Explosive					Total
	Pellet	Monobel	BL-100	Airdox and Cardox	CXL-ite	
Group 1:						
Cascade................	...	37,600	...	...	...	37,600
Group 2:						
Crowsnest..............	...	5,804	21,905	...	...	27,709
Group 3:						
Coalspur...............	...	78,346	...	...	...	78,346
Halcourt...............	150	...	...	...	...	150
Lethbridge.............	212	1,564	...	6,726	...	8,502
Pekisko................	3,200	2,150	...	...	...	5,350
Total..................	3,562	125,464	21,905	6,726	...	157,657

SUB-BITUMINOUS COAL FIELD

Group 4:						
Ardley.................	4,000	4,120	...	...	...	8,120
Big Valley.............	740	...	...	...	...	740
Brooks.................	4,230	1,500	...	...	...	5,730
Carbon.................	4,421	450	...	...	...	4,871
Champion...............	1,000	...	...	...	...	1,000
Drumheller.............	21,167	10,987	...	65,071	515	97,740
Edmonton...............	600	12,029	...	...	...	12,629
Gleichen...............	680	...	...	...	...	680
Pembina................	...	5,250	...	...	...	5,250
Taber..................	771	30	...	...	...	801
Wetaskiwin.............	...	100	...	...	...	100
Whitecourt.............	...	20	...	...	...	20
Group 5:						
Camrose................	...	2,275	...	...	...	2,275
Castor.................	805	7,278	...	...	...	8,083
Redcliff...............	765	63	...	...	...	828
Sheerness..............	45	...	...	...	...	45
Tofield................	120	802	...	...	2,522	3,444
Westlock...............	...	410	...	...	...	410
Total..................	39,344	45,314	...	65,071	3,037	152,766

ESTIMATED NUMBER OF SHOTS FIRED FOR BLASTING COAL

BITUMINOUS COAL FIELD

Area	Electric Detonators	Electric Squibs	Cardox Heaters	Total
Group 1:				
Cascade................	43,540	...	...	43,540
Group 2:				
Crowsnest..............	7,619	...	...	7,619
Group 3:				
Coalspur...............	67,321	...	...	67,321
Halcourt...............	200	...	...	200
Lethbridge.............	2,215	60	...	2,275
Pekisko................	3,000	...	...	3,000
Total....................	123,895	60	...	123,955

SUB-BITUMINOUS COAL FIELD

Group 4:				
Ardley.................	6,833	...	...	6,833
Big Valley.............	735	210	...	945
Brooks.................	7,200	...	...	7,200
Carbon.................	6,594	145	...	6,739
Champion...............	1,000	...	...	1,000
Drumheller.............	45,197	...	...	45,197
Edmonton...............	17,006	...	...	17,006
Gleichen...............	1,025	...	...	1,025
Pembina................	5,306	...	...	5,306
Taber..................	1,490	...	...	1,490
Wetaskiwin.............	100	...	...	100
Whitecourt.............	12	...	...	12
Group 5:				
Camrose................	1,880	...	...	1,880
Castor.................	7,058	185	...	7,243
Redcliff...............	694	...	...	694
Sheerness..............	34	...	...	34
Tofield................	2,094	...	...	2,094
Westlock...............	500	...	...	500
Total....................	104,758	540	...	105,298

NUMBER OF MISSED FIRE SHOTS RECORDED IN BLASTING COAL

BITUMINOUS COAL FIELD

Group 1:				
Cascade................	2	...	...	2
Total....................	2	...	...	2

SUB-BITUMINOUS COAL FIELD

Group 4:				
Ardley.................	7	...	...	7
Carbon.................	6	...	...	6
Drumheller.............	9	...	...	9
Edmonton...............	10	...	...	10
Taber..................	3	...	...	3
Group 5:				
Castor.................	...	3	...	3
Tofield................	2	...	...	2
Total..................	37	3	...	40

NUMBER OF TONS OF COAL PRODUCED PER POUND OF EXPLOSIVES USED

BITUMINOUS COAL FIELD

Area	Number of tons of coal mined	Number of pounds of explosives used	Tons of coal mined per pound of explosive used
Group 1:			
Cascade	203,993	37,600	5.42
Group 2:			
Crowsnest	641,930	27,709	23.16
Group 3:			
Coalspur	317,885	78,346	4.05
Halcourt	168	150	1.12
Lethbridge	97,359	8,502	11.45
Pekisko	4,509	5,350	.84
Total	1,265,844	157,657	8.02

SUB-BITUMINOUS COAL FIELD

Group 4:			
Ardley	45,334	8,120	5.58
Big Valley	713	740	0.96
Brooks	19,206	5,730	3.35
Carbon	37,266	4,871	7.65
Champion	6,729	1,000	6.72
Drumheller	763,673	97,740	7.81
Edmonton	141,208	12,629	11.18
Gleichen	5,579	680	8.20
Pembina	115,682	5,250	22.03
Taber	35,378	801	44.16
Wetaskiwin	1,499	100	14.99
Whitecourt	294	20	14.70
Group 5:			
Camrose	35,550	2,275	15.62
Castor	478,808	8,083	59.23
Redcliff	3,816	828	4.60
Sheerness	154,559	45	3434.64
Tofield	35,348	3,444	10.26
Westlock	8,868	410	21.62
Total	1,889,510	152,766	12.36

QUANTITY OF EXPLOSIVES USED IN POUNDS FOR BLASTING ROCK IN COAL MINES

BITUMINOUS COAL FIELD

Area	Pellet	Monobel	CXL-ite	Forcite	Total
Group 1:					
Cascade............	...	...	4,550	...	4,550
Group 2:					
Crowsnest..........	...	...	255	74,200	74,455
Total................	...	...	4,805	74,200	79,005

SUB-BITUMINOUS COAL FIELD

Area	Pellet	Monobel	CXL-ite	Forcite	Total
Group 4:					
Brooks.............	...	...	...	45	45
Carbon.............	25	200	...	...	225
Drumheller.........	...	1,047	6,112	...	7,159
Gleichen...........	60	20	...	...	80
Taber..............	300	...	...	...	300
Total................	385	1,267	6,112	45	7,809

ESTIMATED NUMBER OF SHOTS FIRED FOR BLASTING ROCK IN COAL MINES

BITUMINOUS COAL FIELD

Area	Electric Detonators	Electric Squibs	Total
Group 1:			
Cascade...............	5,260	...	5,260
Group 2:			
Crowsnest.............	10,527	...	10,527
Total...................	15,787	...	15,787

SUB-BITUMINOUS COAL FIELD

Area	Electric Detonators	Electric Squibs	Total
Group 4:			
Brooks.................	28	...	28
Carbon.................	300	25	325
Drumheller............	16,314	...	16,314
Gleichen..............	200	...	200
Taber..................	334	...	334
Total...................	17,176	25	17,201

NUMBER OF MISSED FIRE SHOTS RECORDED IN BLASTING ROCK IN COAL MINES

Area	Electric Detonators	Electric Squibs	Total
Group 4:			
Drumheller.............	1	...	1
Taber..................	2	...	2
Total...................	3	...	3

ELECTRICITY

Area	No. of Mines using Electricity	Horsepower of Electrical Equipment in Use		Total Horsepower	Purchased Power
		Above Ground	Below Ground		
Brooks.............	1	156	...	156	...
Camrose............	1	105	...	105	62,200
Carbon.............	4	57	140	197	122,690
Cascade............	1	4,961	...	4,961	9,172,800
Castor.............	7	1,502	69	1,571	1,991,600
Champion...........	1	...	9	9	...
Coalspur...........	3	2,902	1,584	4,486	...
Crowsnest..........	5	18,905	3,575	22,480	9,437,785
Drumheller.........	11	3,875	7,108	10,983	5,746,330
Edmonton...........	7	549	844	1,393	352,150
Gleichen...........	2	10	62	72	31,597
Lethbridge.........	2	2,148	1,974	4,122	1,176,600
Pekisko............	1	67	9	76	50
Pembina............	1	113	...	113	94,344
Redcliff...........	1	61	92	153	30,528
Sheerness..........	2	1,462	...	1,462	769,520
Taber..............	1	359	...	359	14,744
Tofield............	2	168	...	168	107,350
Westlock...........	1	1	...	1	...
Total..............	54	37,401	15,466	52,867	29,110,288

COAL-CUTTING MACHINERY

Area	No. of Machines Operated by:			Tons of Coal Mined by:	
	Electricity	Compressed Air		Electricity	Compressed Air
		Picks	Machines		
Big Valley.........	...	...	1	...	247
Carbon.............	6	...	...	12,463	...
Cascade............	...	64	...	...	152,995
Castor.............	3	...	...	1,008	...
Coalspur...........	...	...	52	...	316,272
Crowsnest..........	...	257	...	...	115,878
Drumheller.........	67	...	...	754,426	...
Edmonton...........	14	...	...	75,407	...
Gleichen...........	3	...	...	7,379	...
Lethbridge.........	20	...	...	173,499	...
Redcliff...........	2	...	...	3,816	...
Total..............	115	321	53	1,027,998	585,392

FATAL ACCIDENTS IN MINES

Anthony DeCecco, Tipple Labourer, 42, on June 6th, at the mine operated by Coleman Collieries Ltd. (International Mine), Coleman. He was crushed between moving C.P.R. cars and died on June 7th as a result of injuries sustained.

John Pawluk, Duckbill Operator, 39, on December 12th, at the mine operated by Amalgamated Coals Ltd.,East Coulee. While he was changing a prop, coal was dislodged from the rib and fell on him. He died on December 17th as a result of injuries sustained.

In addition to the above, the following deaths occurred which were not classified as mine fatalities.

Jasper Rochester, Overman, 55, on January 8th, at the mine operated by Canadian Collieries Resources Ltd., Mercoal. He collapsed and died due to natural causes while checking the mine ventilation in 4 East Entry.

John Federko, Miner, 61, on May 6th, at the mine operated by Murray Collieries Ltd., East Coulee. He collapsed and died due to natural causes in 2 Room, 2 Left Entry, 8 South District.

Paul Klein, Underground Labourer, 53, on June 3rd, at the mine operated by Amalgamated Coals Ltd., East Coulee. He collapsed and died due to natural causes in 6 Slant, 8 Butt Entry.

Accidents during 1957, classified according to the Mines
in which they Occurred:

Name of Operator	Area	Above Ground				Below Ground				Total Above and Below Ground
		Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Bituminous										
Canmore Mines Ltd. (2)........	Cascade........	..	..	..	..	..	7	..	7	7
Canadian Collieries Resources Ltd. (771)........	Coalspur........	..	..	..	..	..	1	..	1	1
Canadian Collieries Resources Ltd. (846)........	Coalspur........	..	1	..	1	..	2	4	6	7
Coleman Collieries Ltd. (88)........	Crowsnest........	1	..	1	2	..	..	..	..	2
Coleman Collieries Ltd. (204)........	Crowsnest........	..	..	..	..	..	2	3	5	5
Lethbridge Collieries Ltd. (1263)........	Lethbridge........	..	..	..	..	..	4	..	4	4
West Canadian Collieries Ltd. (87)........	Crowsnest........	..	..	..	..	..	1	2	3	3
West Canadian Collieries Ltd. (1745)........	Crowsnest........	..	..	1	1	..	..	..	..	1
Sub-Bituminous										
Amalgamated Coals Ltd. (1573)........	Drumheller........	..	..	..	..	1	2	1	4	4
Battle River Coal Co. Ltd. (1046)........	Castor........	..	..	1	1	..	..	..	..	1
Century Coals Ltd. (1742)........	Drumheller........	..	..	..	..	..	1	..	1	1
Federated Co-operatives Ltd. (1421)........	Drumheller........	..	..	..	..	..	1	..	1	1
A.A. McArthur (194)........	Carbon........	..	1	..	1	..	..	..	..	1
Midland Coal Mining Co. Ltd. (367)........	Drumheller........	..	..	..	..	..	1	1	2	2
Murray Collieries Ltd. (1491)........	Drumheller........	..	..	..	..	..	..	1	1	1
J.B. Starky Co. Ltd. (1626)........	Edmonton........	..	..	..	..	..	1	..	1	1
Total........	....	1	2	3	6	1	23	12	36	42

ACCIDENTS AS THEY OCCURRED BY MONTHS DURING THE YEAR 1957

Months	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January	..	1	1	2	..	3	1	4	6
February	..	..	..	..	..	2	1	3	3
March	..	1	..	1	..	1	..	1	2
April	..	..	..	..	..	1	1	2	2
May	..	..	1	1	..	..	3	3	4
June	1	..	..	1	..	..	..	..	1
July	..	..	..	..	..	..	..	..	..
August	..	..	..	..	..	3	..	3	3
September	..	..	..	..	..	5	1	6	6
October	..	..	..	..	..	2	2	4	4
November	..	..	1	1	..	5	2	7	8
December	..	..	..	..	1	1	1	3	3
Total	1	2	3	6	1	23	12	36	42

ACCIDENTS OCCURRING IN THE PROVINCE ABOVE AND BELOW GROUND
DURING THE YEAR 1957

Causes	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Box-Car Handling	1	1	..	2	..	..	..	..	2
Bucking Coal	..	..	..	..	..	1	1	2	2
Chute Loading	..	..	..	..	..	1	..	1	1
Coal Cutting Machinery	..	..	..	..	..	..	1	1	1
Coupling Cars	..	..	..	..	..	1	2	3	3
Explosives	..	..	..	..	..	..	1	1	1
Fall of Coal	..	..	..	..	1	7	3	11	11
Fall of Rock	..	..	..	..	..	5	1	6	6
Haulage	..	..	..	..	..	7	1	8	8
Strip Mining	..	..	2	2	..	..	..	..	2
Tipple Machinery	..	..	1	1	..	..	..	..	1
Miscellaneous	..	1	..	1	..	1	2	3	4
Total	1	2	3	6	1	23	12	36	42

ACCIDENTS OCCURRING IN THE PROVINCE ABOVE AND BELOW GROUND FOR THE YEAR 1957, CLASSIFIED ACCORDING TO THE AREA IN WHICH THEY OCCURRED

BITUMINOUS

Area	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Cascade	..	..	..	..	..	7	..	7	7
Crowsnest	1	..	2	3	..	3	5	8	11
Coalspur	..	1	..	1	..	3	4	7	8
Lethbridge	..	..	..	..	..	4	..	4	4
Total	1	1	2	4	..	17	9	26	30

SUB-BITUMINOUS

Area	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Carbon	..	1	..	1	..	..	..	..	1
Drumheller	..	..	..	..	1	5	3	9	9
Edmonton	..	..	..	..	..	1	..	1	1
Castor	..	..	1	1	..	..	..	..	1
Total	..	1	1	2	1	6	3	10	12

CLASSIFICATION OF ACCIDENTS ACCORDING TO THE COAL FIELDS IN WHICH THEY OCCURRED

BITUMINOUS

Causes	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Rope Haulage, caught arm in brattice	..	..	..	..	..	1	..	1	1
Rope Haulage, caught arm between car and timber	..	..	..	..	..	1	..	1	1
Rope Haulage, struck on foot by derailed car	..	..	..	..	..	..	1	1	1
Horse Haulage, caught leg under derailed car	..	..	..	..	..	1	..	1	1
Fall of rock in entry	..	..	..	..	..	1	..	1	1
Fall of rock in room	..	..	..	..	..	3	1	4	4
Fall of coal in room	..	..	..	..	..	5	1	6	6
Fall of coal in pillar	..	..	..	..	..	2	1	3	3
Strip Mining, hand caught while cranking machine	..	..	1	1	..	..	..	..	1
Box-car Handling, squeezed between cars	1	..	..	1	..	..	..	..	1
Box-car Handling, hand caught in coupling	..	1	..	1	..	..	..	..	1
Tipple Machinery, caught finger between rollers	..	..	1	1	..	..	..	..	1
Coal-cutting Machinery, struck by falling machine	..	..	..	..	..	..	1	1	1
Bucking Coal, struck by rolling coal	..	..	..	..	..	1	..	1	1
Bucking Coal, struck on hand by rolling coal	..	..	..	..	..	..	1	1	1
Coupling Cars, caught hand coupling cars	..	..	..	..	..	1	..	1	1
Coupling Cars, coupling fell on foot	..	..	..	..	..	..	1	1	1
Chute Loading, struck by running coal	..	..	..	..	..	1	..	1	1
Miscellaneous, slipped on loose plank	..	..	..	..	..	..	1	1	1
Miscellaneous, ankle squeezed by moving timber scow	..	..	..	..	..	..	1	1	1
Total	1	1	2	4	..	17	9	26	30

SUB-BITUMINOUS

Horse Haulage, caught leg under car	..	..	..	..	..	1	..	1	1
Hand Haulage, squeezed between conveyor and car,	..	..	..	..	..	1	..	1	1
Hand Haulage, caught hand under derailed car	..	..	..	..	..	1	..	1	1
Locomotive Haulage, squeezed between roof and motor	..	..	..	..	..	1	..	1	1
Fall of rock in room	..	..	..	..	..	1	..	1	1
Fall of coal in room	..	..	..	..	1	..	1	2	2
Strip Mining, struck on hand by rolling coal	..	..	1	1	..	..	..	..	1
Explosive, struck by flying coal	..	..	..	..	..	..	1	1	1
Coupling Cars, hand caught between car bumpers	..	..	..	..	..	..	1	1	1
Miscellaneous, fell off ladder	..	1	..	1	..	..	..	..	1
Miscellaneous, struck in eye by flying coal	..	..	..	..	..	1	..	1	1
Total	..	1	1	2	1	6	3	10	12

SUMMARY

Bituminous	1	1	2	4	..	17	9	26	30
Sub-bituminous	..	1	1	2	1	6	3	10	12
Total	1	2	3	6	1	23	12	36	42

NUMBER OF TONS PRODUCED PER ACCIDENT

BITUMINOUS COAL FIELD

Area	Output	Average Number of men Employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Group 1:						
Cascade................	203,993	243	...	29,142	...	29,142
Group 2:						
Crowsnest.............	641,930	627	641,930	213,977	91,704	58,357
Group 3:						
Coalspur...............	317,885	370	...	79,471	79,471	39,736
Halcourt...............	168	1	...	...	...	...
Lethbridge.............	97,359	206	...	24,340	...	24,340
Pekisko................	4,509	6	...	...	...	...
Total.................	1,265,844	1,453	1,265,844	70,325	115,077	42,195

SUB-BITUMINOUS COAL FIELD

Area	Output	Average Number of men Employed	Fatal	Serious	Slight	Total
Group 4:						
Ardley..................	45,334	11	...	...	...	...
Big Valley.............	713	5	...	...	...	...
Brooks..................	19,206	21	...	...	...	...
Carbon..................	37,266	23	...	37,266	...	37,266
Champion...............	6,729	11	...	...	...	...
Drumheller.............	763,673	918	763,673	152,734	254,558	84,853
Edmonton...............	141,208	102	...	141,208	...	141,208
Gleichen...............	5,579	11	...	...	...	...
Pembina................	115,682	35	...	...	...	...
Taber..................	35,378	27	...	...	...	...
Wetaskiwin.............	1,499	2	...	...	...	...
Whitecourt.............	294	2	...	...	...	...
Group 5:						
Camrose................	35,550	19	...	...	...	...
Castor.................	478,808	83	...	...	478,808	478,808
Redcliff...............	3,816	10	...	...	...	...
Sheerness..............	154,559	40	...	...	...	...
Tofield................	35,348	15	...	...	...	...
Westlock...............	8,868	7	...	...	...	...
Total..................	1,889,510	1,342	1,889,510	269,930	472,377	157,459

SUMMARY

Area	Output	Average Number of men Employed	Fatal	Serious	Slight	Total
Bituminous..............	1,265,844	1,453	1,265,844	70,325	115,077	42,195
Sub-bituminous...........	1,889,510	1,342	1,889,510	269,930	472,377	157,459
Total....................	3,155,354	2,795	1,577,677	126,214	210,357	75,127

CLASSIFICATION OF ACCIDENTS ACCORDING TO OUTPUT OF MINES WHICH PRODUCED DURING THE YEAR 1957

Accidents	Under 1,000 tons	1,000 to 5,000 tons	5,000 to 10,000 tons	10,000 to 50,000 tons	50,000 to 100,000 tons	100,000 to 150,000 tons	150,000 to 200,000 tons	200,000 to 300,000 tons	Over 300,000 tons	Total
Fatal	1	...	...	...	...	1	...	...	...	2
Serious	...	...	...	2	7	5	1	10	...	25
Slight	1	...	...	...	2	6	2	4	...	15
Total	2	...	...	2	9	12	3	14	...	42
TONS OF COAL PRODUCED PER ACCIDENT										
Fatal	9,889	...	...	...	...	748,523	...	...	...	1,577,677
Serious	...	...	...	200,859	59,134	149,705	755,894	71,033	...	126,214
Slight	9,889	...	...	...	206,968	124,754	377,947	177,581	...	210,357
Total	4,945	...	...	200,859	457,104	62,377	251,965	50,738	...	75,127

ACCIDENTS

Summary Table showing Accidents occurring in the Mines from 1937 to 1957 inclusive, reportable under the Coal Mines Regulation Act.

Year	Output	Accidents			Tons of coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1937.......	5,551,682	20	72	73	277,584	77,107	76,050
1938.......	5,230,015	21	72	135	249,040	72,639	38,741
1939.......	5,518,105	17	57	180	324,594	96,809	30,657
1940.......	6,205,088	13	79	97	477,314	78,545	63,970
1941.......	6,970,064	48	78	142	145,209	89,360	49,084
1942.......	7,754,279	17	92	148	456,134	84,285	52,393
1943.......	7,677,982	25	73	152	307,119	105,178	50,513
1944.......	7,427,433	10	70	125	742,743	106,106	59,419
1945.......	7,801,248	23	51	168	339,185	154,925	46,436
1946.......	8,824,455	12	76	128	735,371	116,111	68,941
1947.......	8,074,596	15	121	117	538,306	66,732	69,014
1948.......	8,111,013	13	91	93	623,924	89,132	87,215
1949.......	8,616,983	13	89	108	662,076	96,708	79,694
1950.......	8,118,206	20	86	97	405,910	94,398	83,693
1951.......	7,661,276	9	85	53	851,253	90,133	144,552
1952.......	7,194,472	7	79	79	1,027,782	91,069	91,069
1953.......	5,917,423	10	59	60	591,742	100,295	98,623
1954.......	4,859,136	8	51	41	607,392	95,277	118,516
1955.......	4,456,578	3	54	52	1,485,526	82,529	85,703
1956.......	4,329,639	6	34	33	721,607	127,342	131,201
1957.......	3,155,354	2	25	15	1,577,677	126,214	210,357

COMPARISON OF PROTECTIVE CLOTHING USED FOR THE YEARS 1955, 1956 and 1957.

Clothing	1955	1956	1957
Hard Hats...........	2,791	2,617	2,309
Safety Shoes, pairs..	2,301	1,992	1,946
Goggles, pairs.......	422	308	250
Knee pads, pairs.....	256	109	109

Comparison of Accidents per 1,000,000 tons and per 1,000 men employed, 1937 - 57.

Year	Tonnage	Total No. of men employed	Fatal Accidents			Serious Accidents			Slight Accidents			Total		
			No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed
1937....................	5,551,682	7,336	20	3.60	2.55	72	12.97	9.19	73	13.15	9.32	165	29.72	21.06
1938....................	5,230,015	7,411	21	4.01	2.83	72	13.76	9.71	135	25.81	18.21	228	43.59	30.76
1939....................	5,518,105	7,456	17	3.08	2.27	57	10.33	7.64	180	32.60	24.14	254	46.03	34.06
1940....................	6,205,088	7,416	13	2.10	1.76	79	12.73	10.65	97	15.63	13.08	189	30.46	25.48
1941....................	6,970,064	7,714	48	6.80	6.22	78	11.19	10.11	142	20.37	18.41	268	38.73	34.74
1942....................	7,754,279	8,040	17	2.19	2.11	92	11.86	11.44	148	19.09	18.40	257	33.14	31.95
1943....................	7,677,982	8,636	25	3.26	2.87	73	9.51	8.45	152	19.80	17.60	250	32.56	28.95
1944....................	7,427,433	8,375	10	1.34	1.19	70	9.42	8.35	125	16.83	14.92	205	27.60	24.47
1945....................	7,801,248	8,309	23	2.93	2.76	51	6.53	6.13	168	21.53	20.24	243	31.02	29.12
1946....................	8,824,455	8,583	12	1.36	1.39	76	8.61	8.85	128	14.50	14.91	216	24.47	25.16
1947....................	8,074,596	8,772	15	1.86	1.71	121	14.98	13.79	117	14.49	13.33	253	31.33	28.84
1948....................	8,111,013	8,865	13	1.60	1.47	91	11.22	10.27	93	11.47	10.49	197	24.29	22.22
1949....................	8,616,983	8,682	13	1.51	1.50	89	10.33	10.25	108	12.53	12.44	210	24.37	24.19
1950....................	8,118,206	7,999	20	2.46	2.50	86	10.59	10.85	97	11.95	12.13	203	25.01	25.38
1951....................	7,661,276	7,339	9	1.17	1.23	85	11.09	11.58	53	6.92	7.22	147	19.19	20.03
1952....................	7,194,472	6,936	7	0.97	1.01	79	10.98	11.39	79	10.98	11.39	165	22.93	23.79
1953....................	5,917,423	5,760	10	1.69	1.74	59	9.97	10.24	60	10.14	10.42	129	21.80	22.40
1954....................	4,859,136	4,719	8	1.65	1.70	51	10.49	10.81	41	8.43	8.69	100	20.50	21.19
1955....................	4,456,576	3,801	3	0.67	0.79	54	12.12	14.21	52	11.67	13.68	109	24.46	28.68
1956....................	4,329,639	3,443	6	1.39	1.74	34	7.85	9.88	33	7.62	9.58	73	16.86	21.20
1957....................	3,155,354	2,795	2	0.63	0.72	25	7.92	8.94	15	4.75	5.37	42	13.31	15.03

LIST OF PROSECUTIONS INSTITUTED UNDER THE COAL MINES REGULATION ACT, FOR THE YEAR ENDING DECEMBER 31, 1957.

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Canadian Collieries Resources Ltd...	Examiner...	Did store explosives underground...	Convicted..	Fined $25.00....	$2.00
Walter Street......................	Farmer.....	Did mine coal without a permit being issued by the Director.............	Convicted..	Fined $10.00....	$3.55
Morinville Colliery Limited........	Overman and Examiner...	Did allow workmen to enter the mine without first posting copy of inspection report....................	Convicted..	Fined $25.00....	$2.50
Dawn Coal Mining Company...........	Owner......	Did fail to forward annual report to Director............................	Convicted..	Fined $10.00....	$4.50
Erich Reissig......................	Mine Manager	Did fail to send in monthly statement of production.......................	Convicted..	Fined $5.00.....	$2.50
Frank Fodor........................	Owner.....	Did fail to take precautions regarding abandonment as directed by the district inspector of mines..................	Convicted..	Fined $10.00....	$3.00
Frank Fodor........................	Owner.....	Did allow water to accumulate in strip mine..............................	Convicted..	Fined $10.00....	$5.00
Jet Construction Limited...........	Manager...	Did fail to send in monthly statement of production.......................	Convicted..	Fined $15.00....	$2.00
Blue Bird Coal Company............	Agent.....	Did fail to send in monthly statement of production.......................	Convicted..	Fined $15.00....	$3.00
David D. Bridge..................	Farmer....	Did mine coal without a permit being issued by the Director.............	Convicted..	Fined $5.00.....	$2.00
Sundance Mines Ltd...............	Foreman...	Did fail to make report of inspection.	Convicted..	Fined $10.00....	$2.25
Lethbridge Collieries Ltd.........	Overman...	Did fail to have working places inspected...........................	Convicted..	Fined $10.00....	$2.00

LIST OF PROSECUTIONS INSTITUTED UNDER THE QUARRIES REGULATION ACT, FOR THE YEAR ENDING DECEMBER 31, 1957.

Quarry in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Loders Lime Co. Ltd...........	Driller...	Did fail to wear safety equipment while working on upper bench of quarry.....	Convicted..	Fined $10.00......	$3.50
Loders Lime Co. Ltd............	Driller...	Did fail to wear safety equipment while working on face of quarry above floor level.............................	Convicted..	Fined $10.00......	$2.50
Burtex Industries Limited.......	Manager...	Did appoint a person not the holder of a blaster's certificate to take charge of shooting operations at quarry....	Convicted..	Fined $10.00.......	$2.50
Summit Lime Works Ltd..........	Manager...	Did act as blaster without having obtained written permission from the Director.........................	Convicted..	Fined $5.00.......	$2.50
Summit Lime Works Ltd..........	Manager...	Did allow work in connection with drilling and blasting operations to be carried out when not under the direct personal supervision of a blaster...	Convicted..	Fined $10.00......	$4.50

BOARD OF EXAMINERS

The Board of Examiners during the year 1957 consisted of the following:

As representing:

The Mine Inspectorate: J.A. Dutton, Director of Mines.
Managers: P.M. Ramsay and W. Morris.
Working Miners: A. Ragon and H.R. Sherwood.
Secretary: M.B. Rasmussen.

Examinations for all classes of certificates except Manager (Underground) were held at Drumheller, Edmonton and Lethbridge.

Four candidates presented themselves for examination for Second Class (Underground) Certificates and were unsuccessful.

Six candidates presented themselves for examination for Third Class (Underground) Certificates, and were successful.

One candidate presented himself for examination for Mine Surveyor's Certificate and was successful.

Three candidates presented themselves for examination for First Class (Mine Electrician) Certificates, of whom one was successful.

Two candidates presented themselves for examination for Second Class (Mine Electrician) Certificates, of whom one was successful.

One candidate presented himself for examination for Manager's (Strip Mine) Certificate, and he was successful.

Seven candidates presented themselves for examination for Foremen's Certificates, two of whom were successful.

Two candidates presented themselves for examination for Blasters' Certificates and were successful.

The list following herewith gives names of successful candidates for all classes of certificates issued by the Government of the Province of Alberta during the year 1957.

THIRD CLASS

Name	Address	Cert. No.	Date of Certificate
Smith, Frederick R.	Drumheller	3	24 - 6 - 57
Wagantall, Henry E.	East Coulee	4	24 - 6 - 57
Lowther, Benjamin	East Coulee	5	24 - 6 - 57
Dolphin, William H.	Drumheller	6	24 - 6 - 57
Yorke, John	Drumheller	7	24 - 6 - 57
Pollo, Daniel A. **	Beaver Mines	8	24 - 6 - 57

MINE SURVEYOR

Name	Address	Cert. No.	Date of Certificate
Crabb, Daniel J.	Shaughnessy	2	24 - 6 - 57

FIRST CLASS MINE ELECTRICIAN

Carlson, Carl M. **	Forestburg	2	24 - 6 - 57

SECOND CLASS MINE ELECTRICIAN

Brodin, Rolf **	Brooks	1	24 - 6 - 57

MANAGER (STRIP MINE)

Shearer, John C.	Hillcrest	4	24 - 6 - 57

FOREMAN

Craig, Andrew	Hillcrest	5	24 - 6 - 57
Saboe, Owen L.	Forestburg	6	24 - 6 - 57

BLASTER

Rempfer, Vergil J. **	Carbon	2	24 - 6 - 57
Halasz, John	Warburg	3	24 - 6 - 57

** Certificate not issued as at December 31st, 1957.

PARTICULARS RE QUARRY OFFICIALS' CERTIFICATES

Under section 28, subsection (2) of the Regulations under the Quarries Regulations Act, which reads:

> "Any person who has been engaged as a manager or foreman for at least six months immediately prior to the date of the coming into force of these regulations may, provided his application is made within six months after that date and accompanied by the prescribed fee, be granted the requisite certificate without examination".

The following certificates were issued under section 28, subsection (2).

QUARRY MANAGERS

Name	Address	Cert. No.	Date of Certificate
Jordon, Benjamin M.	Exshaw	1	13 - 9 - 57
Walker, Maurice	Exshaw	2	23 - 9 - 57
Kidd, Gordon L.S.	Drumheller	3	3 -10 - 57
Jordon, John Burgess	Exshaw	4	4 -10 - 57
Logelin, Francis A.	Calgary	5	9 -10 - 57
Lindoe, Luke O.	Medicine Hat	6	10 -10 - 57
Grubisich, John	Crowsnest, B.C.	7	16 -10 - 57
Cunliffe, Jack A.	Medicine Hat	8	28 -10 - 57
Sissons, Gordon H.	Medicine Hat	9	28 -10 - 57
Powell, Bryn	Edmonton	10	5 -11 - 57
Pero, Michael T.	Cadomin	11	12 -11 - 57
Hurley, Robert C.	Medicine Hat	12	13 -11 - 57
Riva, Walter J.	Canmore	13	13 -11 - 57
Wilson, Andrew	Edmonton	14	15 -11 - 57

QUARRY FOREMEN

Smaniotto, Americo O.	Exshaw	1	23 - 9 - 57
McKenzie, John	Exshaw	2	23 - 9 - 57
Callaway, Robert B.	Exshaw	3	23 - 9 - 57
Mattson, Alfred	Exshaw	4	1 -10 - 57
Modrich, John	Hazelspur	5	4 -10 - 57
Sukarow, Roy	Montgomery	6	7 -10 - 57
Belanger, James F.	Medicine Hat	7	10 -10 - 57
Slavik, Frank G.	Crowsnest, B.C.	8	16 -10 - 57
Kamenka, Louis J.	Canmore	9	17 -10 - 57
Bracke, Julian	Edmonton	10	29 -10 - 57
Cieslikowski, Stanley	Cadomin	11	12 -11 - 57
Baroni, Alfred	Canmore	12	13 -11 - 57
Price, Bruce T.	Edmonton	13	15 -11 - 57
Waddell, James P.	Edmonton	14	15 -11 - 57
Orban, Henry	Edmonton	15	15 -11 - 57
Herrick, Maurice I.	Jasper Place	16	15 -11 - 57
Shaw, George V.	Edmonton	17	15 -11 - 57
Robertson, John S.	Medicine Hat	18	15 -11 - 57

PARTICULARS RE QUARRY BLASTERS' EXAMINATIONS

The list following herewith gives names of successful candidates by oral examination for Quarry Blasters' Certificates.

QUARRY BLASTERS' CERTIFICATES

Goodfriend, Raymond A.	Canmore	29	2 - 1 - 57
Jordon, John B.	Exshaw	30	2 - 1 - 57
Beatty, Lawrence E.	Bowness	31	29 - 3 - 57
Reinprecht, Florian	Canmore	32	16 - 4 - 57
Hansen, Carl	Exshaw	33	25 - 4 - 57
Cieslikowski, Stanley	Cadomin	34	6 - 5 - 57
Kaprano, Adolf	Hazelspur	35	10 - 5 - 57
Mason, Thomas	Edmonton	36	24 - 5 - 57
Babala, William	Cadomin	37	2 - 7 - 57

REPORT OF ANALYSIS OF COMMERCIAL COAL SAMPLES

Samples taken during 1957 and published in accordance with Regulation 17 (5) of the Coal Sales Regulations established pursuant to The Coal Sales Act.

WEST CANADIAN COLLIERIES LTD. MINE NO. 87

Size	Mine Run 5" x 0
Proximate Analysis (as received)	
Moisture......................%	0.4
Ash...........................%	12.8
Volatile Matter...............%	25.9
Fixed Carbon..................%	60.9
Sulphur.........................%	0.5
Calorific Value.........Btu/lb.	13,305
Ash Softening Temp..............°F	2400
Caking Properties (1)..........	Poor
Free Swelling Index (ASTM)	2.0
Grindability (2)................	71
Calorific Value: Dry mineral matter free - Btu/lb.	15,575

A. CAMPBELL AND G. FERGSTAD MINE NO. 1055

Size	Lump
Proximate Analysis (on capacity moisture basis)	
Moisture.................... %	28.1
Ash......................... %	4.9
Volatile Matter............. %	28.1
Fixed Carbon................ %	38.9
Sulphur........................ %	0.4
Calorific Value............Btu/lb.	8465
Ash Softening Temp.............°F	2200
Caking Properties (1)	N.A.
Calorific Value: Dry mineral matter free - Btu/lb.	12,735

AJAX COAL CO. MINE NO. 772

Size	Lump +2½" Slot	Stove 2½" Slot x 1¼" rd.
Proximate Analysis (on capacity moisture basis)		
Moisture.................... %	23.6	23.8
Ash..........................%	8.1	10.1
Volatile Matter............. %	27.7	26.6
Fixed Carbon................ %	40.6	39.6
Sulphur..................... %	0.4	0.4
Calorific Value...........Btu/lb.	8580	8300
Ash Softening Temp............°F.	2080	2020
Caking properties (1)............	N.A.	N.A.
Bulk density........lb./cu.ft.	42.0	44.0
Calorific Value: Dry mineral matter free - Btu/lb.....	12,715	12,750

WEST CANADIAN COLLIERIES LTD. MINE NO. 396

Size	Furnace 5" Slot x 1¼" rd.	Stoker 1¼ x ¼" rd.	Slack ¼" rd. x 0
Proximate Analysis (as received)			
Moisture.................... %	0.3	5.3	9.1
Ash......................... %	11.2	9.7	10.9
Volatile Matter..............%	23.1	21.6	20.4
Fixed Carbon................ %	65.4	66.4	59.6
Sulphur..................... %	0.5	0.6	0.5
Calorific Value............Btu/lb	13,655	13,025	12,155
Ash Softening Temp............ °F	2400	2560	2750+
Caking properties (1)..........	Poor	Poor	Poor
Free Swelling Index (ASTM)	2.5	1.5	1.5
Grindability (2)...............	-	-	81
Calorific Value: Dry mineral matter free - Btu/lb...	15,590	15,522	15,410

FORESTBURG COLLIERIES LTD. MINE NO. 1578

Size	Lump + 4" rd.	Stove 4 x 2" rd.	Nut 2 x 1" rd	Stoker 1" rd. x 3/8 sl.	Slack 0 x 3/8" sl.
Proximate Analysis (on capacity moisture basis)					
Moisture..................%	26.0	25.4	26.6	29.3	26.1
Ash.......................%	5.5	5.8	6.7	6.2	8.0
Volatile Matter...........%	29.2	28.8	29.1	27.8	27.7
Fixed Carbon..............%	39.3	40.0	38.6	36.7	38.2
Sulphur...................%	0.3	0.4	0.4	0.3	0.3
Calorific Value....... Btu/lb.	8690	8675	8500	8240	8315
Ash Softening Temp..........°F	2190	2200	2230	2190	2210
Caking properties (1)........	N.A.	N.A.	N.A.	N.A.	N.A.
Grindability (2).............	....	....	34	35	37
Calorific Value: Dry mineral matter free ....Btu/lb	12,790	12,730	12,685	12,890	12,775

ALBERTA COAL CO. LTD. MINE NO. 419

Size	Lump + 4" rd.	Stove 4 x 2" rd.	Nut 2 x 1¼" rd.	Stoker 1¼ x 7/16" rd.	Slack - 7/16" rd.
Proximate Analysis (on capacity moisture basis)					
Moisture..................%	20.2	20.7	22.1	20.5	20.6
Ash.......................%	8.4	9.9	9.2	10.1	10.7
Volatile Matter...........%	28.8	28.0	27.9	28.8	27.3
Fixed Carbon..............%	42.6	41.4	40.8	40.6	41.4
Sulphur...................%	0.2	0.2	0.2	0.4	0.4
Calorific Value.......Btu/lb.	8840	8610	8620	8665	8420
Ash Softening Temp..........°F	2350	2380	2370	2360	2410
Caking properties (1).........	N.A.	N.A.	N.A.	N.A.	N.A.
Grindability (2)..............	....	....	44	39	56
Calorific Value: Dry mineral matter free...Btu/lb.	12,535	12,600	12,720	12,685	12,470

BEULAH BURNSTAD MINE NO. 724

Size	Lump + 4" slot	Egg 4" slot x 2" sq.	Stoker 2 x 1" sq.
Proximate Analysis (on capacity moisture basis)			
Moisture..................%	28.0	28.7	26.7
Ash.......................%	3.9	4.7	6.8
Volatile..................%	29.6	27.9	26.6
Fixed Carbon..............%	38.5	38.7	39.9
Sulphur.....................%	0.4	0.5	0.6
Calorific Value........Btu/lb.	8330	8115	8050
Ash Softening Temp........... °F.	2340	2180	2220
Caking properties (1).........	N.A.	N.A.	N.A.
Grindability (2).............	....	....	28
Calorific Value: Dry mineral matter free - Btu/lb..	12,300	12,270	12,245

COLEMAN COLLIERIES LTD. MINE NO. 204

Size	Furnace 2" sq. x 5½" rd.	Stove 1 x 2" sq.	Baum Stoker ¼" slot x 1" sq.	Slack - ¼" slot
Proximate Analysis (on capacity moisture basis)				
Moisture..................%	1.8	1.8	1.7	1.8
Ash.......................%	10.1	10.6	11.5	14.4
Volatile Matter...........%	26.7	26.2	25.4	24.3
Fixed Carbon..............%	61.4	61.4	61.4	59.5
Sulphur.....................%	1.1	0.9	0.9	0.8
Calorific Value........Btu/lb.	13,205	13,295	12,995	12,525
Ash Softening Temp..........°F.	2480	2750+	2750+	2750+
Caking properties (1).........	Fair	Fair	Fair	Fair
Grindability (2).............	....	....	68	80
Calorific Value: Dry mineral matter free - Btu/lb..	15,195	15,385	15,190	15,231

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(1) By Volatile at 950°C.
(2) Hardgrove Index
+ Fresh coal from stockpile

N.A. = Non-agglomerate

LIST OF MINES OPERATING DURING

The Year 1957

Character of Coal:- Bituminous

MINE NO.	OPERATOR	MINE OFFICE ADDRESS	LOCATION LS. S. T. R. M.	REGISTERED TRADE NAME	DATE OF OPENING
	Cascade Area				
2	The Canmore Mines Ltd.	Canmore	8 -11-24-10-5	Canmore Smokeless Coal, Canmore Briquettes	1891
	Coalspur Area				
771	Canadian Collieries Resources Ltd.	Foothills	10-24-47-20-5	Foothills Hard Coal	1918
846	Canadian Collieries Resources Ltd.	Mercoal	4-25-48-22-5	McLeod River Hard Coal, Spartan Hard Coal	1920
1749	Canadian Collieries Resources Ltd.	Foothills	1-26-47-20-5	Foothills Hard Coal	1957
	Crowsnest Area				
87	West Canadian Collieries Ltd.	Bellevue	9&10-20-7- 3- 5	Bellevue Coal	1903
88	Coleman Collieries Ltd.	Coleman	11-8- 8- 3- 5	Coleman Coal	1903
199	Beaver Mines Coal Company	Beaver Mines	10-3- 6- 2- 5	Beaver Mines Coal	1909
204	Coleman Collieries Ltd.	Coleman	S.E. ¼ of 2-17-8- 4- 5	Coleman Coal	1909
396	West Canadian Collieries Ltd.	Blairmore	10-2- 8- 4- 5	Greenhill Coal, Flamex Briquettes Sunfire Briquettes	1913
1695	Coleman Collieries Ltd.	Coleman	12- 7- 6- 5	Coleman Coal	1949
1731	Dawn Coal Mining Company	Beaver Mines	8-9- 6- 2- 5	Dawn Coal	1953

LIST OF MINES OPERATING DURING

The Year 1957

Character of Coal:- Bituminous

MINE NO.	OPERATOR	MINE OFFICE ADDRESS	LOCATION LS. S. T. R. M.	REGISTERED TRADE NAME	DATE OF OPENING
1745	West Canadian Collieries Ltd.	Blairmore	Pts. of 25&36- 8- 4- 5	Bellevue Coal, Greenhill Coal, Flamex Briquettes, Sunfire Briquettes	1956
1747	Coleman Collieries Ltd.	Coleman	16-19-9-4- 5	Vicary Creek Coal	1957
	Halcourt Area				
1588	Hillside Coal Company	Halcourt	3- 25-70-11- 6	Hillside Coal	1942
	Lethbridge Area				
738	Wukusich Coal Mine	Lethbridge	2&7- 11-8- 22- 4	Twin River Coulee Coal	1918
1086	Steve's Mine	Magrath	8&9- 7- 7- 21- 4	Steve's Mine Coal	1923
1263	Lethbridge Collieries Ltd.	Shaughnessy	11- 30-10-21- 4	Galt Coal, Cadillac Coal	1927
1464	Lethbridge Collieries Ltd.	Lethbridge	3- 2-9- 22- 4	Imperial Coal	1934
	Pekisko Area				
1516	Ideal Coal Ltd	Priddis	14- 4- 22- 3- 5	Ideal Coal	1937

LIST OF MINES OPERATING DURING

The Year 1957

Character of Coal:- Sub-bituminous

MINE NO.	OPERATOR	MINE OFFICE ADDRESS	LOCATION LS. S. T. R. M.	REGISTERED TRADE NAME	DATE OF OPENING
	Ardley Area				
255	Conger Mine	Alix	W. ½ of 11&12-17-38-23-4	Conger Coal	1910
809	Allyn Mann Construction.	Alix	13&14-34-38-23-4	Eclipse Coal	1919
1734	John Lynass	Delburne	7- 20-38-23-4	Lynass Coal	1953
	Big Valley Area				
1661	Arne Anderson & John Ginther	Elnora	2&7-13-36-22-4	Elnora Coal	1947
1716	John Lynass	Delburne	16- 13-36-22-4	Dixie Coal	1950
	Brooks Area				
1404	Kleenbirn Collieries Ltd.	Eyremore	Pts. of 15- 17-17-4	Birnwel Coal	1932
1672	Coral Coals Ltd.	Rolling Hills	1&8- 3-14-13-4	Rolling Hills Coal, Coral Coal	1948
	Camrose Area				
724	Burnstad Coal Ltd.	Round Hill	N. ½ of 6- 14-48-18-4	Burnstad's Coal	1917
1055	A.A. Campbell & C.A. Fergstad	Round Hill	7- 30-48-18-4	Eskimo Coal	1922
1603	Camrose Collieries Ltd.	Camrose	14&15-17-46-19-4	Camcoal	1943
	Carbon Area				
53	Alfred Fox	Carbon	3- 14-29-23-4	Carbon Sunrise Coal	1898
194	A.A. McArthur	Carbon	8- 9-31-22-4	Kneehill Coal	1909
710	East Trochu Coal Company	Trochu	10-14-33-23-4	Tro-Alta Coal	1917
817	Ben Pickering & Sons	Ghost Pine Creek	2- 6 -31-21-4	Orkney Coal	1919
921	Eric Reissig	Trochu	15&16-14-33-23-4	Meadow Bank Coal	1921
1283	H-B Coal Mine	Trochu	8- 14-33-23-4	Jewel Coal	1928
1359	Arctic Coal Company	Carbon	16-12-29-23-4	Arctic Coal	1931

LIST OF MINES OPERATING DURING

The Year 1957

Character of Coal:- Sub-bituminous

MINE NO.	OPERATOR	MINE OFFICE ADDRESS	LOCATION	LS. S. T. R. M.	REGISTERED TRADE NAME	DATE OF OPENING
1499	Nottal Brothers	Three Hills		1- 9- 31-22-4	New Ghost Pine Coal	1936
1740	Nottal Brothers	Three Hills		14- 4- 31-22-4	New Ghost Pine Coal	1954
	Castor Area					
291	James Chiswick	Gadsby	S. ½ of	11- 28-39-16-4	Sunset Coal	1911
902	O.V. Remillard	Castor		9- 33-37-14-4	Remillard Coal	1921
1046	Battle River Coal Co. Ltd.	Halkirk		15&16-20-40-15-4	Cordel Coal, Vesta Coal	1922
1248	B.J. Gerla & W. Runge	Donalda		10&11-29-41-17-4	Success Coal	1926
1578	Forestburg Collieries Ltd.	Forestburg	N.W. ¼ of	6- 41-16-4	Diplomat Coal	1941
1587	J.R. Mills	Heisler		6-22- 42-17-4	Eagle Coal	1942
1614	Stettler Coal Co. Ltd	Halkirk		11-25-40-16-4	All-Fire Coal	1943
1702	Dolanz, Dolanz and Strickland	Heisler		3&4- 27-42-17-4	Palace Coal	1949
1736	Buckle Brothers	Donalda		14&15-28-41-17-4	Black Emerald Coal	1954
	Champion Area					
1137	Smith Mine	Champion		2&3-4- 16-23-4	Smith Coal	1934
1509	Champion Coal Co. Ltd	Champion		13- 34-15-23-4	Champion Coal	1937
	Drumheller Area					
367	Midland Coal Mining Co. Ltd	Midlandvale		14- 9- 29-20-4	Midland Coal, Mercury Coal, New Rosedale Coal	1912
402	Red Deer Valley Coal Co. Ltd	Drumheller		7- 29-20-4	Glocoal, "10-5" Coal, Renown Coal	1913
436	Star Coal Mines Ltd	Rosedale	S.E. ¼ of	7- 28-28-19-4	Radium Coal, Rosedale Coal	1914
1258	Brilliant Coal Company	Drumheller		15- 10-29-20-4	Brilliant Coal	1927
1421	Federated Co-operatives Ltd	Drumheller		13- 11-29-20-4	Purity Hard Coal, Hy-Grade Coal	1933

LIST OF MINES OPERATING DURING

The Year 1957

Character of Coal:- Sub-bituminous

MINE NO.	OPERATOR	MINE OFFICE ADDRESS	LOCATION LS. S. T. R. M.	REGISTERED TRADE NAME	DATE OF OPENING
1491	Murray Collieries Ltd....	East Coulee..........	1- 29-27-18-4	New Murray Coal....................	1936
1570	Wayne Coal Ltd..........	Wayne................	8- 7- 28-19-4	Sovereign Coal.....................	1940
1573	Amalgamated Coals Ltd....	East Coulee..........	1- 20-27-18-4	New Star Coal......................	1940
1599	Burn Brite Coal Company..	Delia................	9- 22-28-18-4	Burn Brite Coal....................	1943
1655	J. Wakaruk & Partners....	Drumheller...........	E. ½ of 9 -22-29-20-4	Cozy Coal..........................	1947
1666	Subway Coal Company......	Rosedale.............	16- 16-28-19-4	Subway Coal........................	1947
1668	Victor Leonhardt.........	Drumheller...........	3- 17-29-19-4	Lion Coal..........................	1948
1742	Century Coals Ltd........	East Coulee..........	14- 6- 27-18-4	Atlas Coal, Commander Coal, New Wild Fire Coal....................	1956
	Edmonton Area				
129	Sundance Mines Limited...	Cardiff..............	3&4- 24-55-25-4	Suncole............................	1907
1266	Black Gem Coal Co. Ltd...	Namao................	14- 36-54-25-4	Black Gem Coal.....................	1927
1582	Egg Lake Coal Co. Ltd....	Morinville...........	N.E. ¼ of 26-56-26-4	Egg Lake Coal......................	1941
1626	J.B. Starky Co. Ltd......	St. Albert...........	4- 36-54-25-4	Star-Key Coal......................	1945
1635	Morinville Colliery Ltd..	Morinville...........	1- 32-55-25-4	Spitfire Coal......................	1945
1641	A. Horkulak..............	South Edmonton.......	9&16-26-51-25-4	Rabbit Hill Coal...................	1946
1696	Morinville Contractors Ltd....................	Morinville...........	S.E. ¼ of 36-56-26-4	Mearns Coal........................	1949
1727	Whitemud Creek Coal Co. Ltd...............	Edmonton.............	S.W. ¼ of 13-52-25-4	Red Hot Coal.......................	1952
1748	White Star Coal Company..	Edmonton.............	5&12-25-51-25-4	White Star Coal....................	1957
	Gleichen Area				
1431	Consumer's Mine..........	Rosebud..............	3&6- 29-26-21-4	Consumer's Coal....................	1933
1521	Lucky Strike Mine........	Rosebud..............	14&15-20-26-21-4	Supreme of The Valley Coal.........	1937
	Pembina Area				
419	Alberta Coal Ltd.........	Wabamun..............	2&3- 15-53-4-5	Victory Coal, Blue Flame Coal......	1913
1592	Mount Royal Collieries Ltd...................	Langford Park.........	4&5- 29-52-4-5	Sun Glow Coal......................	1943

LIST OF MINES OPERATING DURING

The Year 1957

Character of Coal:- Sub-bituminous

MINE NO.	OPERATOR	MINE OFFICE ADDRESS	LOCATION LS. S. T. R. M.	REGISTERED TRADE NAME	DATE OF OPENING
1644	Strawberry Creek Coal Co. Ltd.	Warburg	6&11-13- 49- 3-5	Strawberry Creek Coal	1948
1670	Warburg Coal Co. Ltd.	Warburg	12-13- 49- 3-5	Pinter Coal	1948
1739	Charles Ostertag	Entwistle	N.W. ¼ of 2- 54- 7-5	Pembina Peerless Coal	1954
	Redcliff Area				
772	Ajax Coal Company	Medicine Hat	1- 6- 13- 6-4	Ajax Coal	1918
	Sheerness Area				
443	Western Dominion Coal Mines Ltd.	Sheerness	S.E. ¼ of 13-29-13-4	Roselyn Coal, Volcano Coal	1915
1597	Lehigh Coal Co. Ltd.	Sheerness	16-12-29-13-4	Crystal Coal, Berry Creek Coal	1943
	Taber Area				
1604	Alberta Coal Sales Ltd.	Taber	1&12- 10-17-4	Majestic Coal, Southalta Coal	1943
1741	Samuel Katcher	Bow Island	5- 22-12-10-4	Red Parrot Coal	1955
	Tofield Area				
215	Jet Construction Ltd.	Ryley	S. ½ of 14-49-18-4	Red Flame Coal	1909
252	Tofield Coal Co. Ltd.	Tofield	26-50-19-4	Headlight Coal	1910
1107	Black Nugget Coal Co. Ltd.	Dodds	N.W. ¼ of 11-49-18-4	Hi-Lo Coal	1923
1206	Ryley Coal Co. Ltd.	Ryley	1&8- 8- 49-17-4	Ryley Coal	1925
1624	C. Binder	Ryley	5- 9- 49-17-4	Ryalta Coal	1945
	Westlock Area				
1517	Thorhild Coal Mine	Abee	12&13-12-60-21-4	Dandy Coal	1937
1562	North Point Coal Co. Ltd.	Thorhild	4- 12-60-21-4	North Point Coal	1939

LIST OF MINES OPERATING DURING

The Year 1957

Character of Coal:- Sub-bituminous

MINE NO.	OPERATOR	MINE OFFICE ADDRESS	LOCATION LS. S. T. R. M.	REGISTERED TRADE NAME	DATE OF OPENING
	Wetaskiwin Area				
1743	Blue Bird Coal Company...	Leduc.................	12&13- 20-48-25-4	Blue Bird Coal......................	1956
	Whitecourt Area				
1569	A. Watson...............	Blue Ridge...........	16- 24-59-11-5	Blue Ridge Coal.....................	1940
1746	Leo H. Baxter...........	Whitecourt...........	5- 18-59-11-5	Sakdwah Coal........................	1957

LIST OF QUARRIES OPERATING DURING

The Year 1957

QUARRY NO.	OPERATOR	QUARRY OFFICE ADDRESS	LOCATION	LS. S. T. R. M.	DATE OF OPENING
	Cascade Area				
Q 2	Canada Cement Co. Ltd.	Exshaw	Pts. of	27&28-24-9-5	1906
Q 3	Loders Lime Co. Ltd.	Exshaw	Pts. of	25&36-24-9-5	1906
Q 26	The Canmore Mines Ltd.	Canmore		16- 12-24-10-5	1956
Q 27	Sil-San Company	Exshaw		7-25 -8-5	1956
Q 28	Rundle Rock Building Stone Co. Ltd.	Canmore	Pts. of	17,18&19-25-10-5	1956
	Crowsnest Area				
Q 8	Summit Lime Works Ltd.	Crowsnest, B.C.		7- 7- 8- 5- 5	1920
	Drumheller Area				
Q 11	Gordon L. Kidd	Drumheller		6,7,9&10-14-29-20-4	1950
	Edmonton Area				
Q 5	Alexandra Brick & Tile Co. (Canada) Ltd.	Edmonton	N.E. ¼ of	21-53-25-4	1911
Q 22	Inland Cement Co. Ltd.	Edmonton	Pts. of	15&22-53-25-4	1955
	Morley Area				
Q 33	Burtex Industries Ltd.	Calgary		6&7-14- 26-5- 5	1957
	Mountain Park Area				
Q 21	Inland Cement Co. Ltd.	Cadomin		13-30-46-23-5	1955

LIST OF QUARRIES OPERATING DURING

The Year 1957

QUARRY NO.	OPERATOR	QUARRY OFFICE ADDRESS	LOCATION LS. S. T. R. M.	DATE OF OPENING
	Pakowki Area			
Q 34	Medicine Hat Brick & Tile Co. Ltd..........	Medicine Hat..........................	5,6,11&12- 20-8- 3- 4	1957
	Redcliff Area			
Q 4	Perry Brick & Tile Co. Ltd.................	Redcliff..............................	11&15- 5- 13-6- 4	1913
Q 6	Redcliff Premier Brick Co. Ltd............	Redcliff..............................	S.W. ¼ of 9- 13-6- 4	1913
Q 7	The Redcliff Pressed Brick Company.........	Redcliff..............................	S.W. ¼ of 9- 13-6- 4	1913
Q 14	Medicine Hat Brick & Tile Co. Ltd..........	Medicine Hat..........................	1&2- 31-12-4- 4	1950
	No Area			
Q 24	Consolidated Concrete Industries Ltd.......	Calgary...............................	3,4&5- 32-21-29-4	1956

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